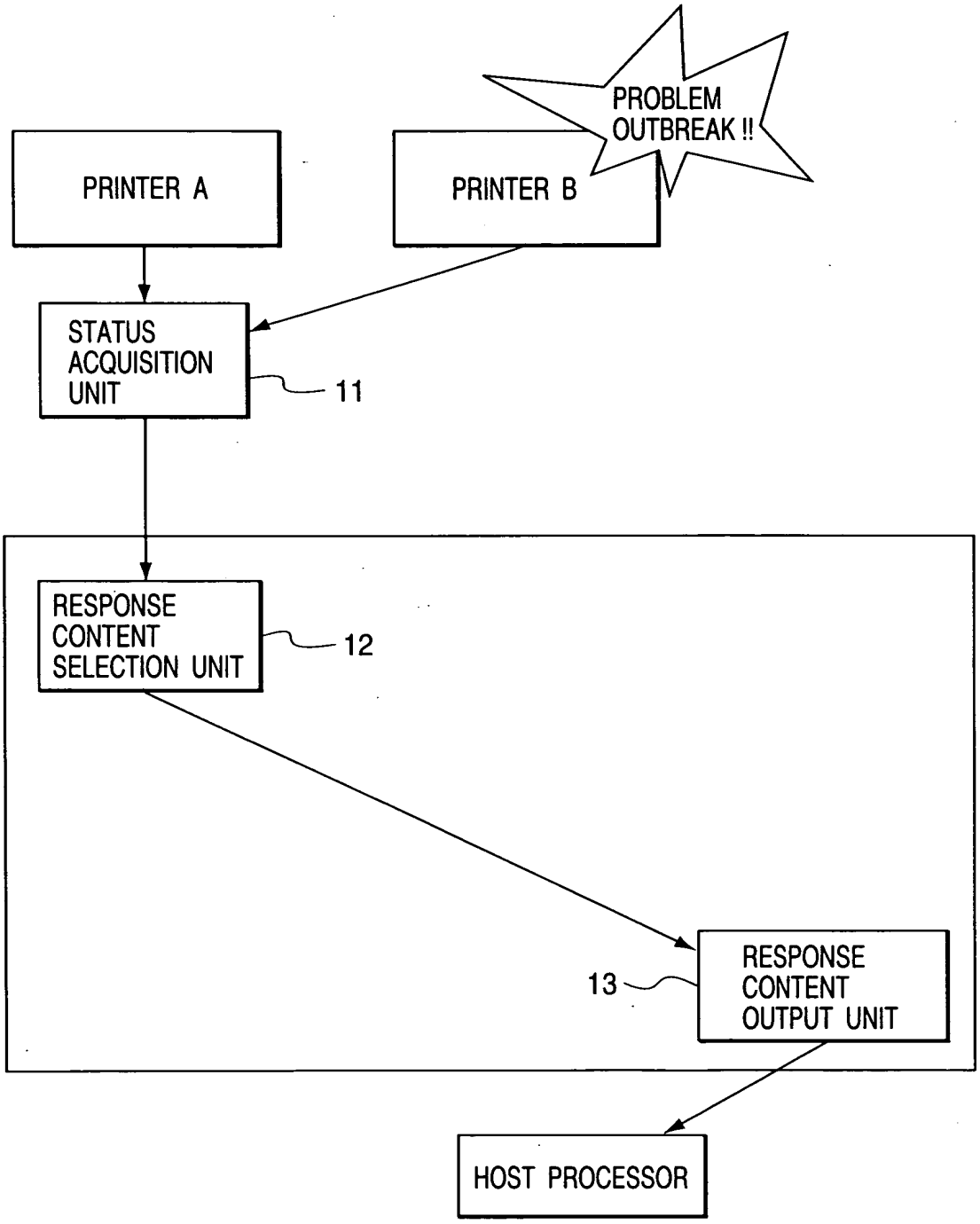
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

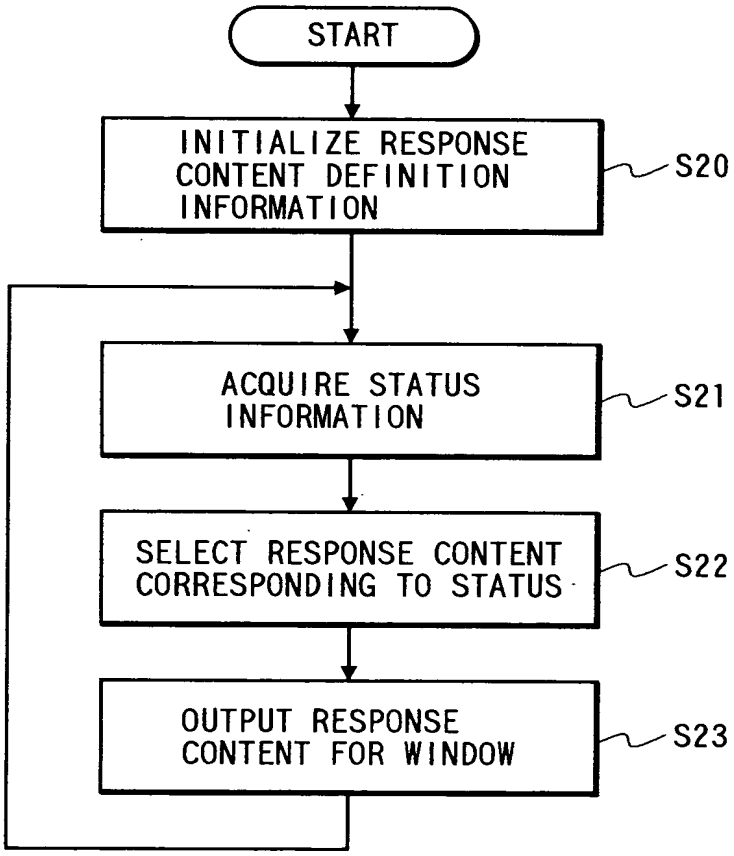
FIG. 1
PRIOR ART



EP 0 886 205 A2

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 2
PRIOR ART



0858650 - 4121697

APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 3
PRIOR ART

STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
1	PRINTING STANDBY STAGE	PRINTING POSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
9	OTHER ERRORS	[INVALIDITY]
10	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
11	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
20	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
30	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
31	TONER OUT	TONER OUT
32	TONER REMAINING 5%	TONER RUN LOW
33	TONER REMAINING 10%	TONER RUN LOW
41	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
43	FIXER REMAINING 10%	FIXER RUN LOW

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 4
PRIOR ART

PRINTER STATUS DISPLAY WINDOW
THERE IS NO PAPER

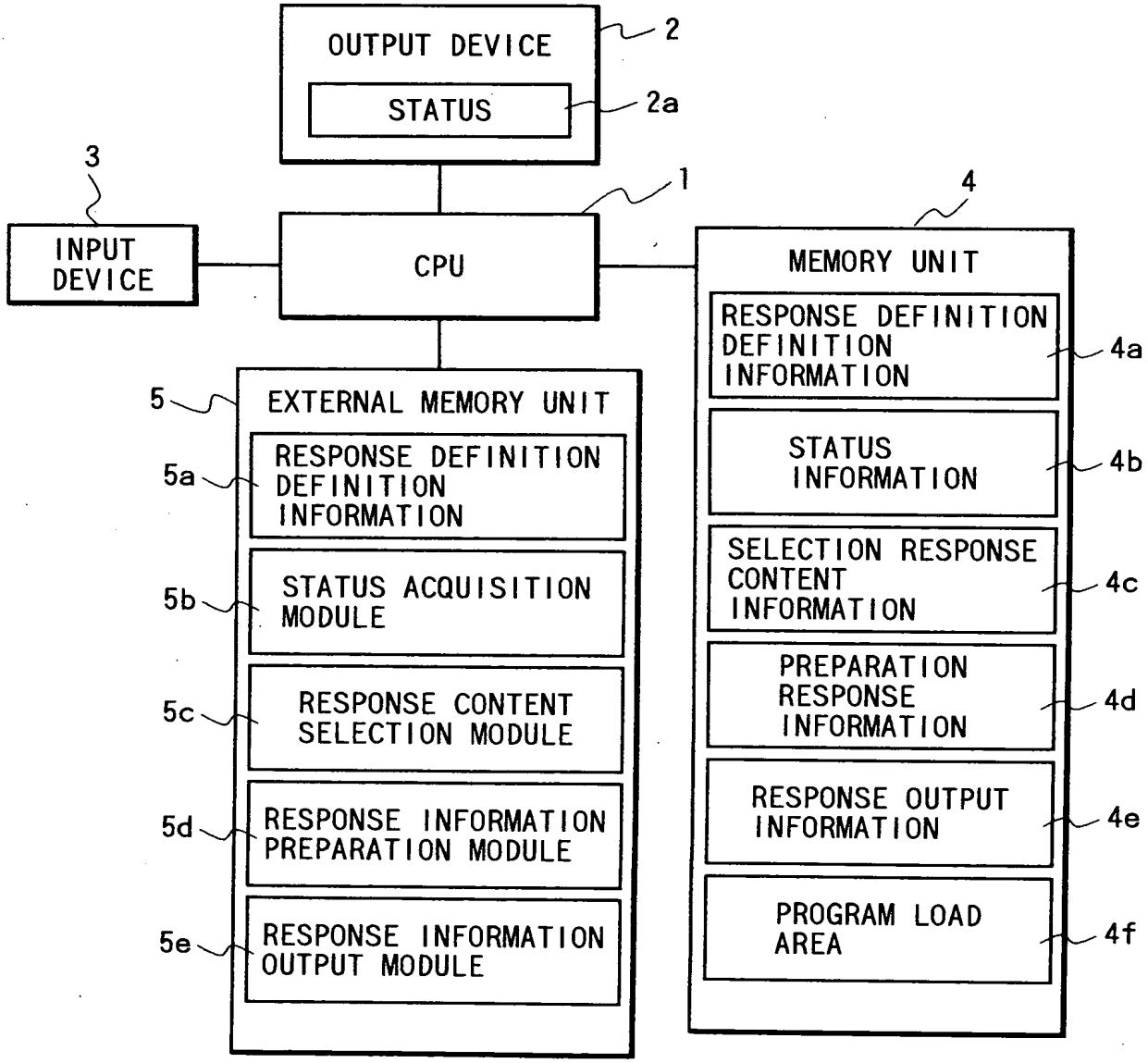
EP 0 886 216 A2

FIG. 5
PRIOR ART

STATUS	MEANING	Beep
0	RECEIVED MAIL ABSENT	OFF
1	RECEIVED MAIL PRESENT	ON

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

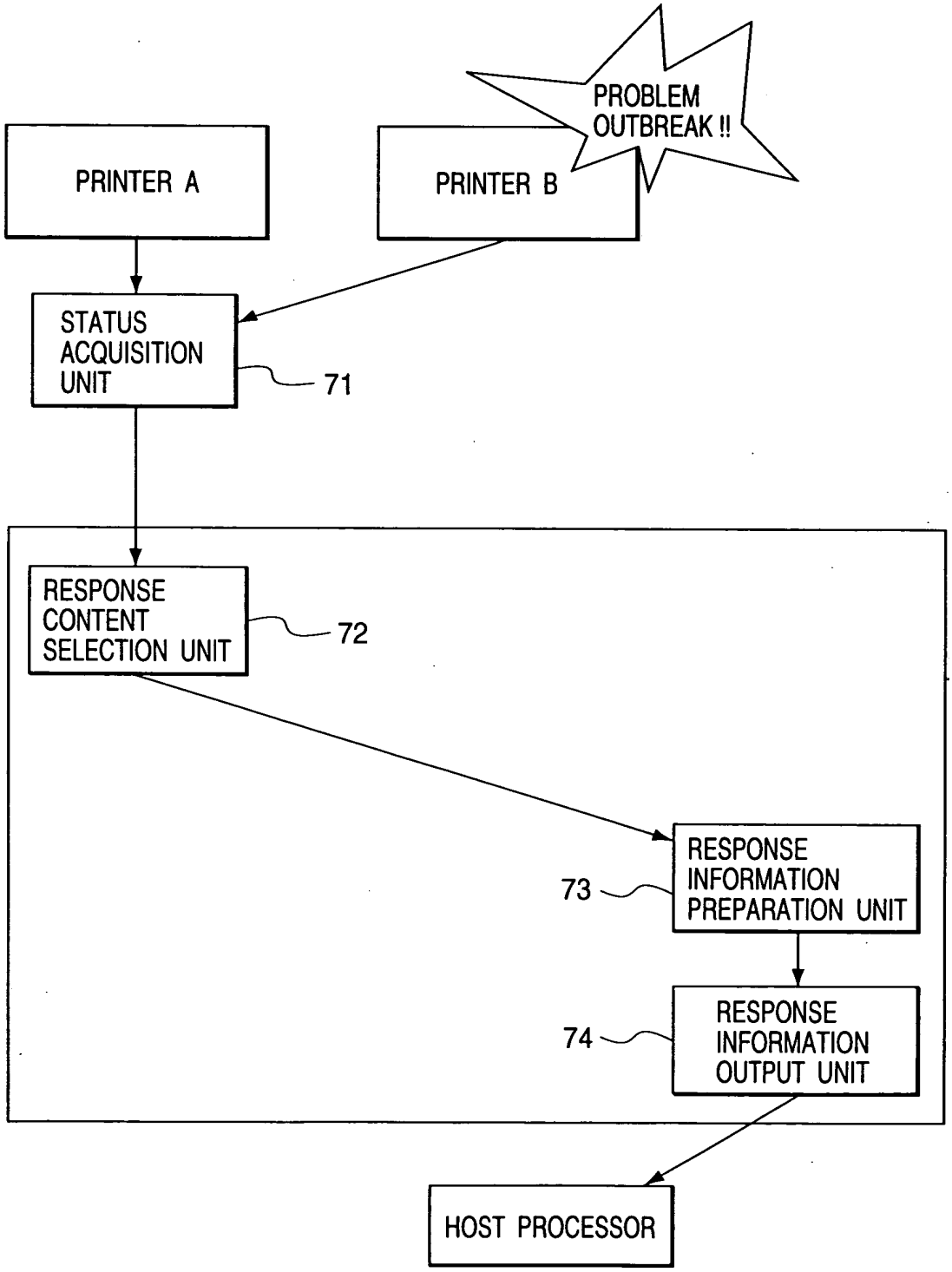
FIG. 6



Substitute Sheet

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

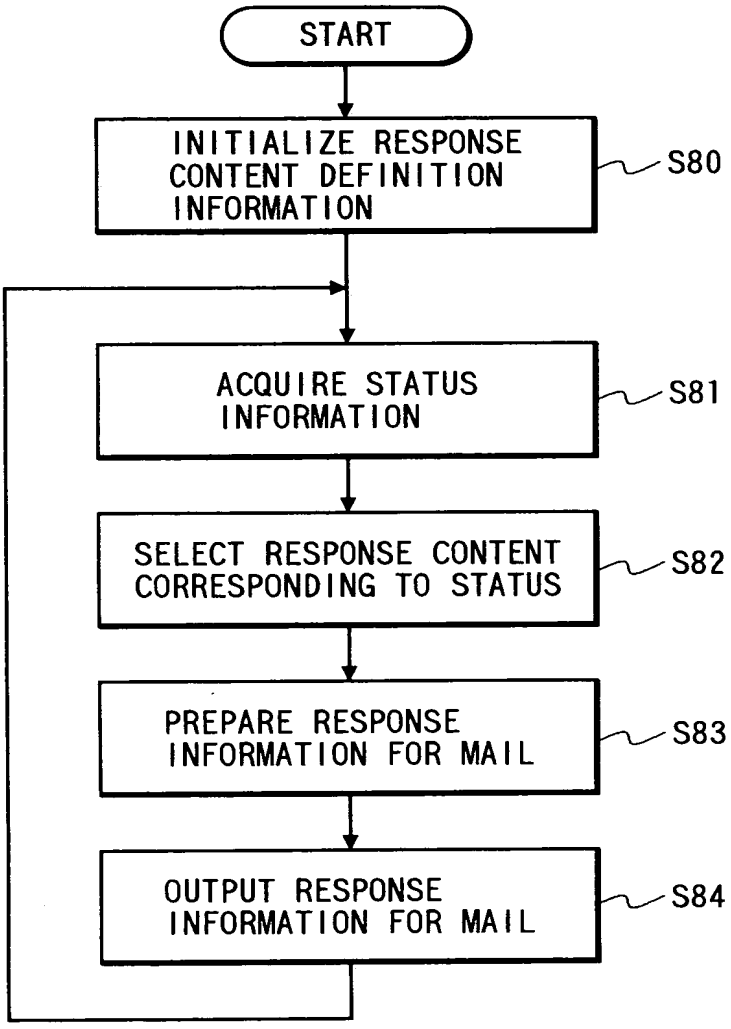
FIG. 7



EP 1 355 230 A1

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 8



0060606-1401-US

APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 9

STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
1	PRINTING STANDBY STAGE	PRINTING POSSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
9	OTHER ERRORS	[INVALIDITY]
10	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
11	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
20	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
30	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
31	TONER OUT	TONER OUT
32	TONER REMAINING 5%	TONER RUN LOW
33	TONER REMAINING 10%	TONER RUN LOW
41	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
43	FIXER REMAINING 10%	FIXER RUN LOW

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 10

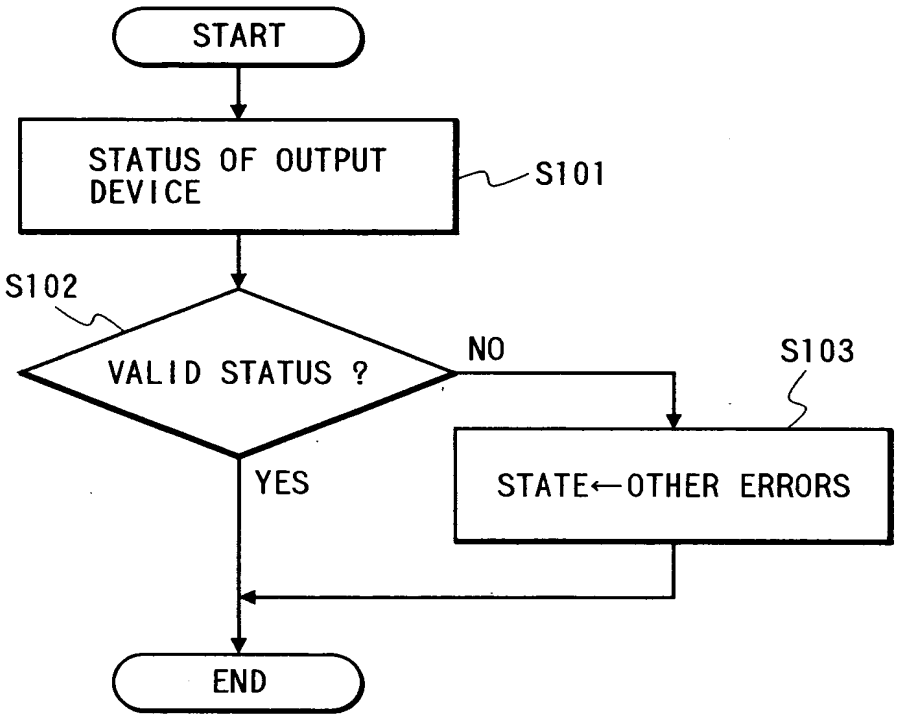


FIG. 11

VARIABLE NAME	MEANING
STATE	STATUS OF PRINTER

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 12

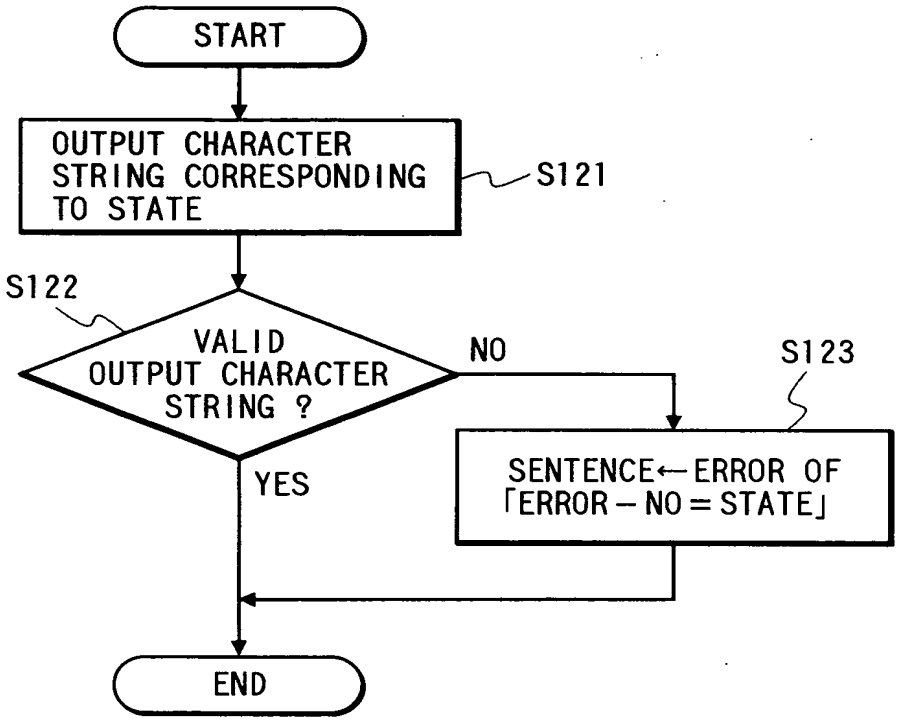
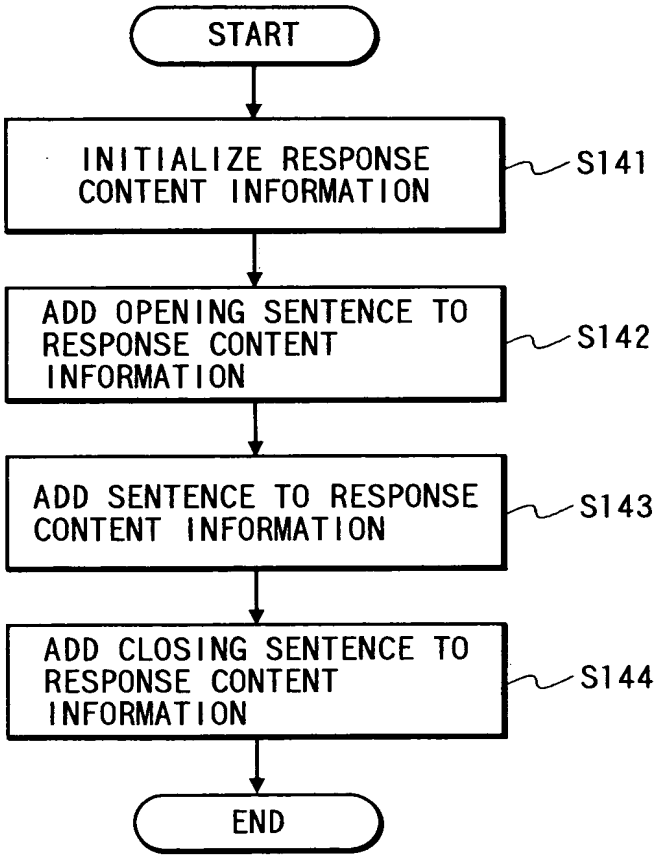


FIG. 13

VARIABLE NAME	MEANING
SENTENCE	OUTPUT CHARACTER STRING FOR RESPONSE

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 14



DOCUMENT NUMBER

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 15

KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS 「AUTOREPLY SYSTEM」 FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER

FIG. 16

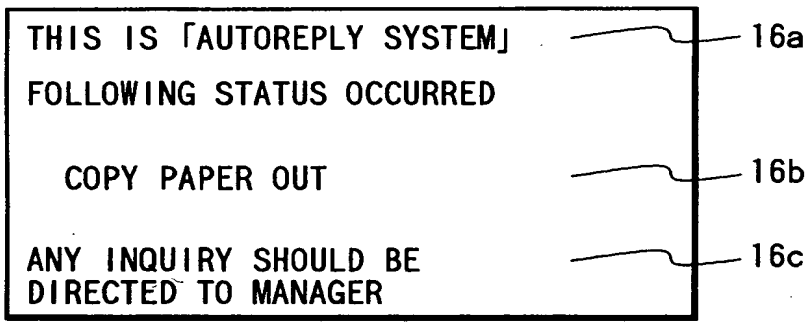
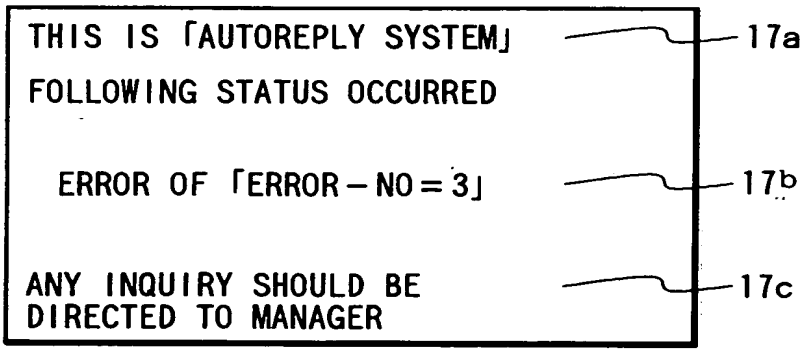


FIG. 17

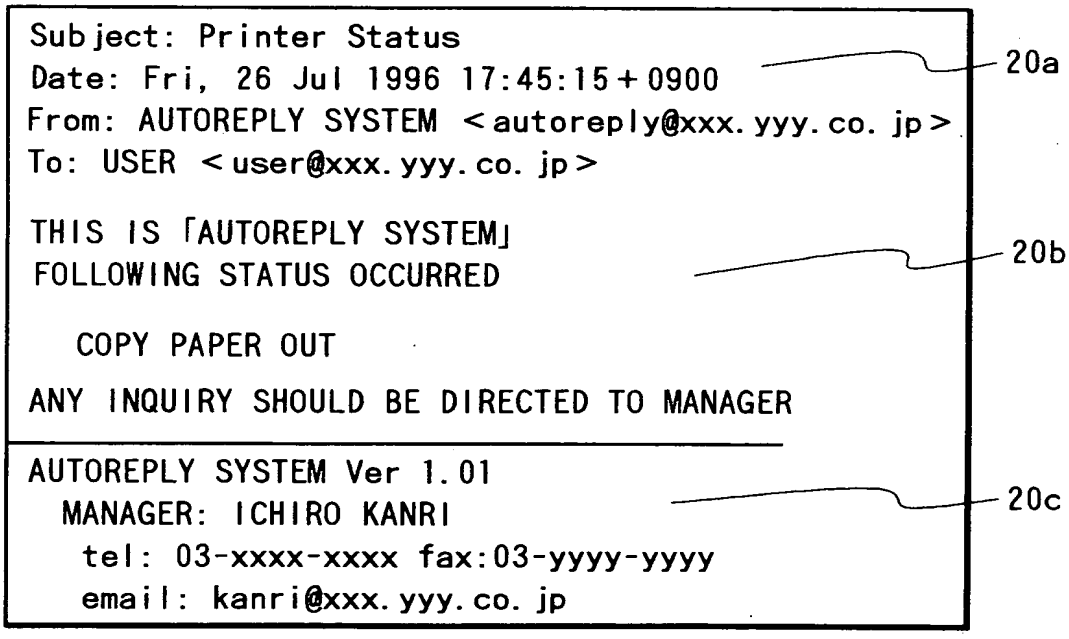


APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 19

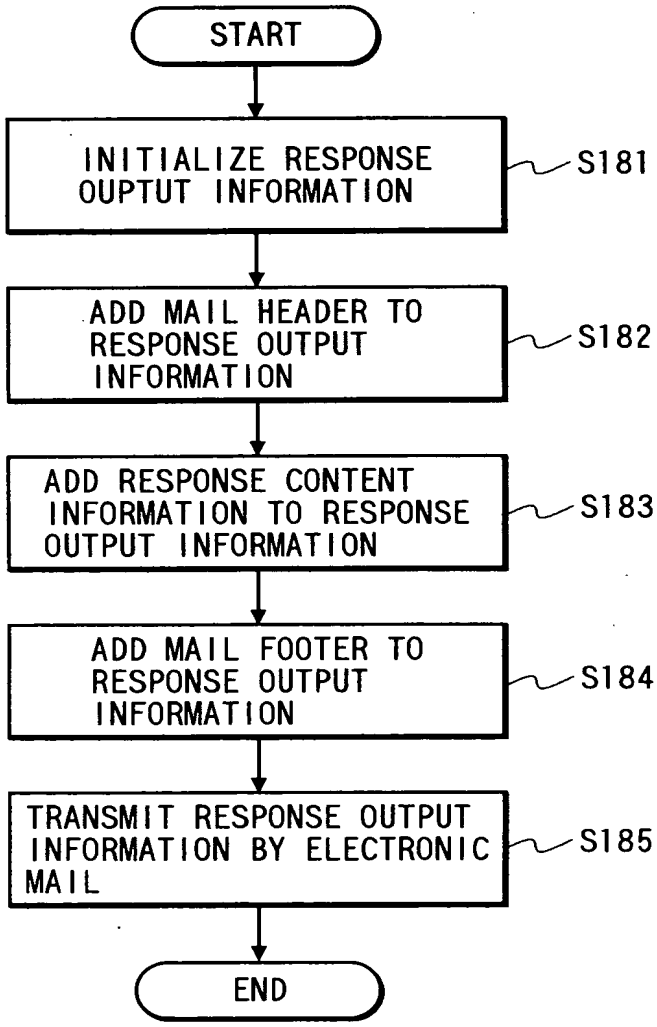
KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM <autoreply@xxx.yyy.co.jp> To: USER <user@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	--- AUTOREPLY SYSTEM Ver 1.01 MANAGER: ICHIRO KANRI tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: kanri@xxx.yyy.co.jp

FIG. 20



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

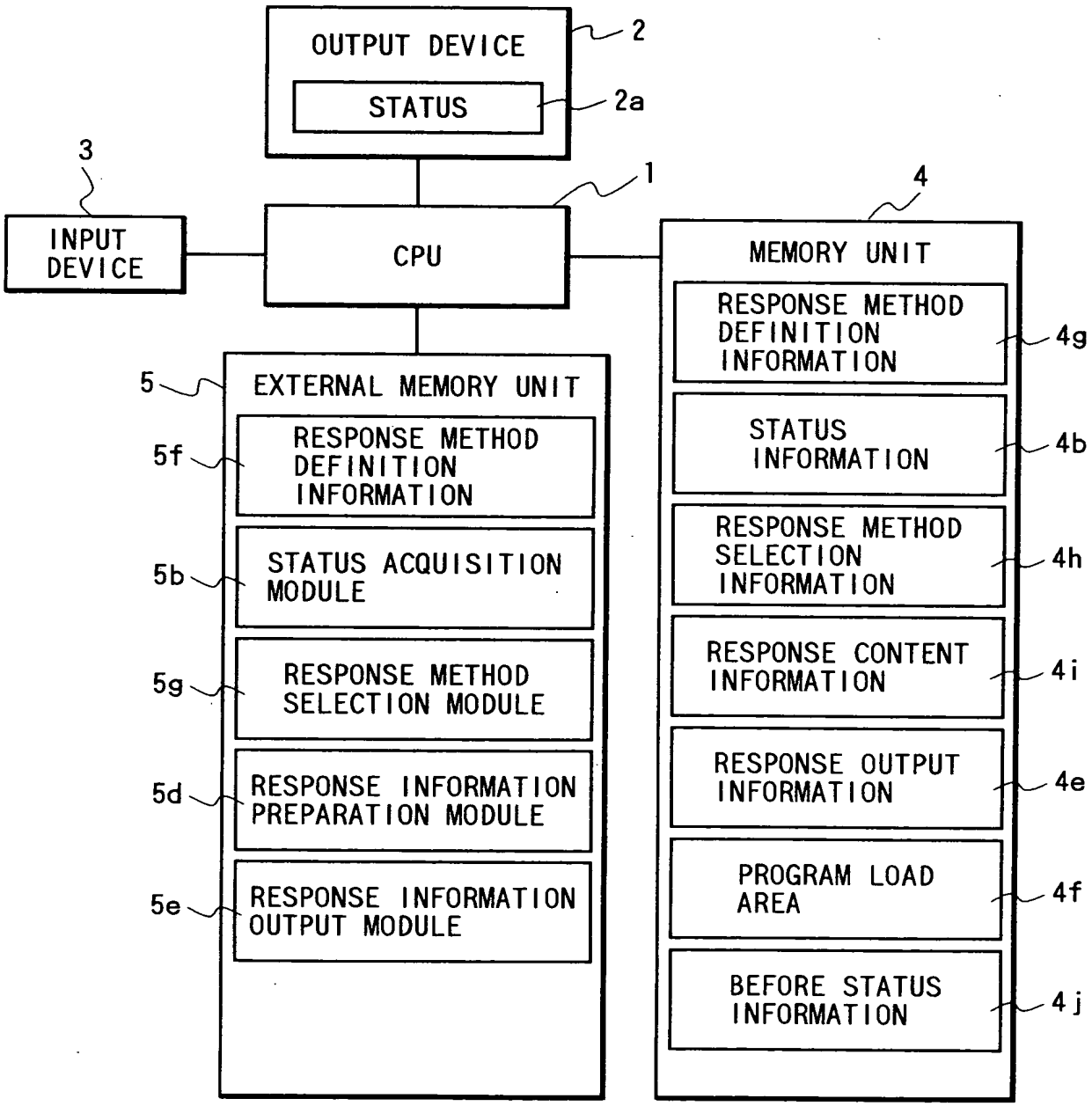
FIG. 18



DOCKET NO. 1-1-1-1-1-1-1

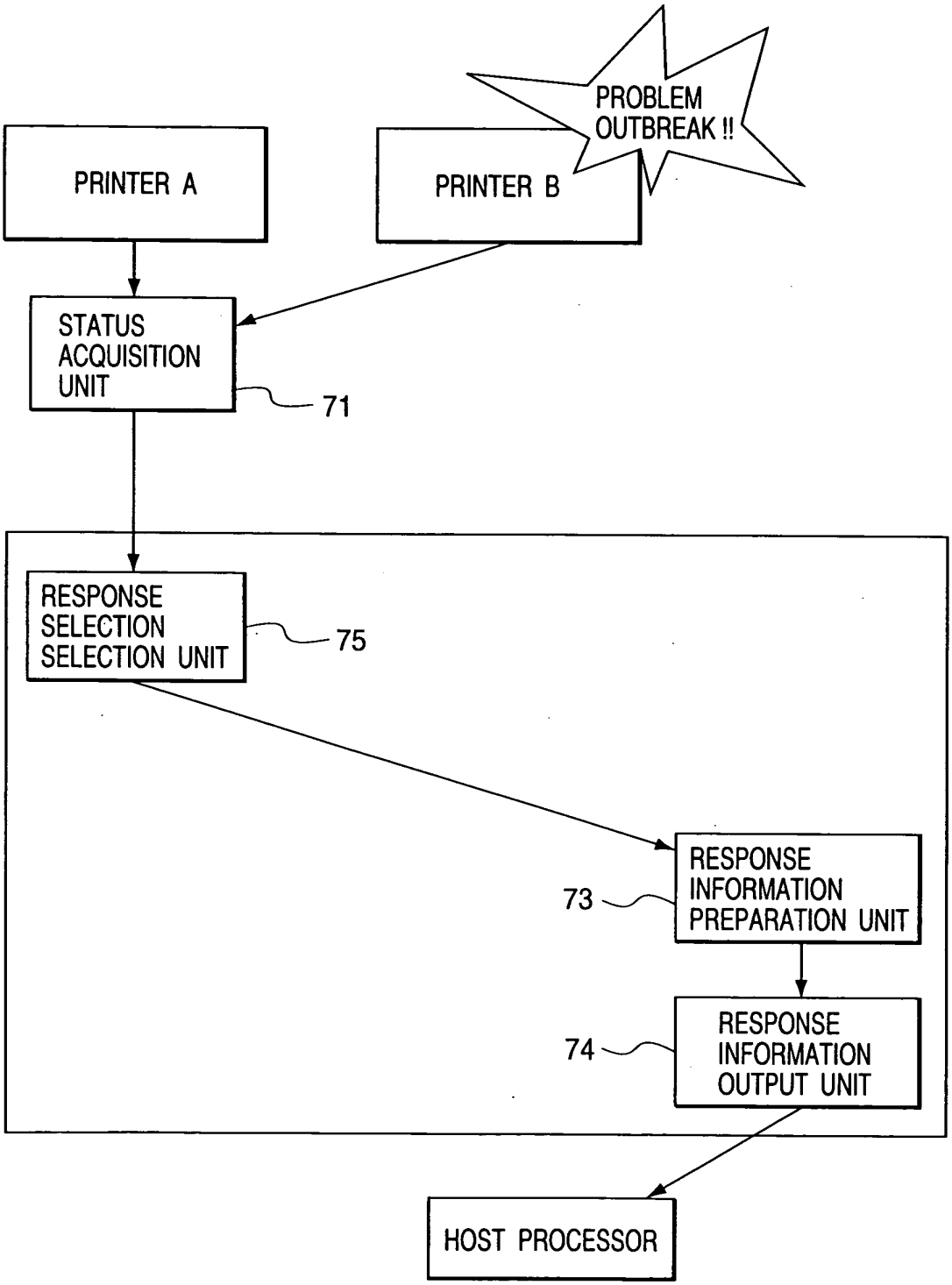
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 21



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

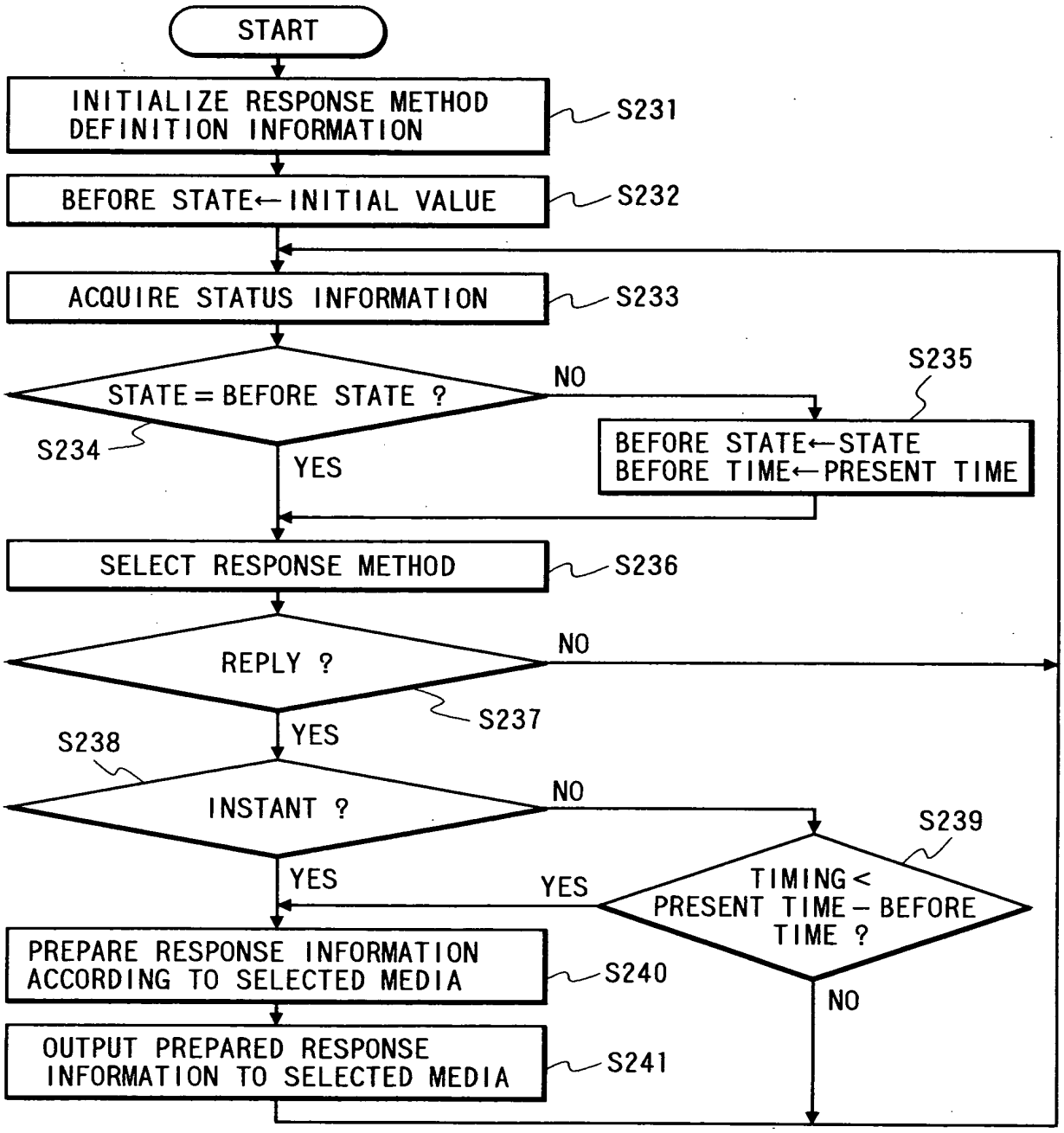
FIG. 22



0000000-0000000

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 23



8885505-1121569

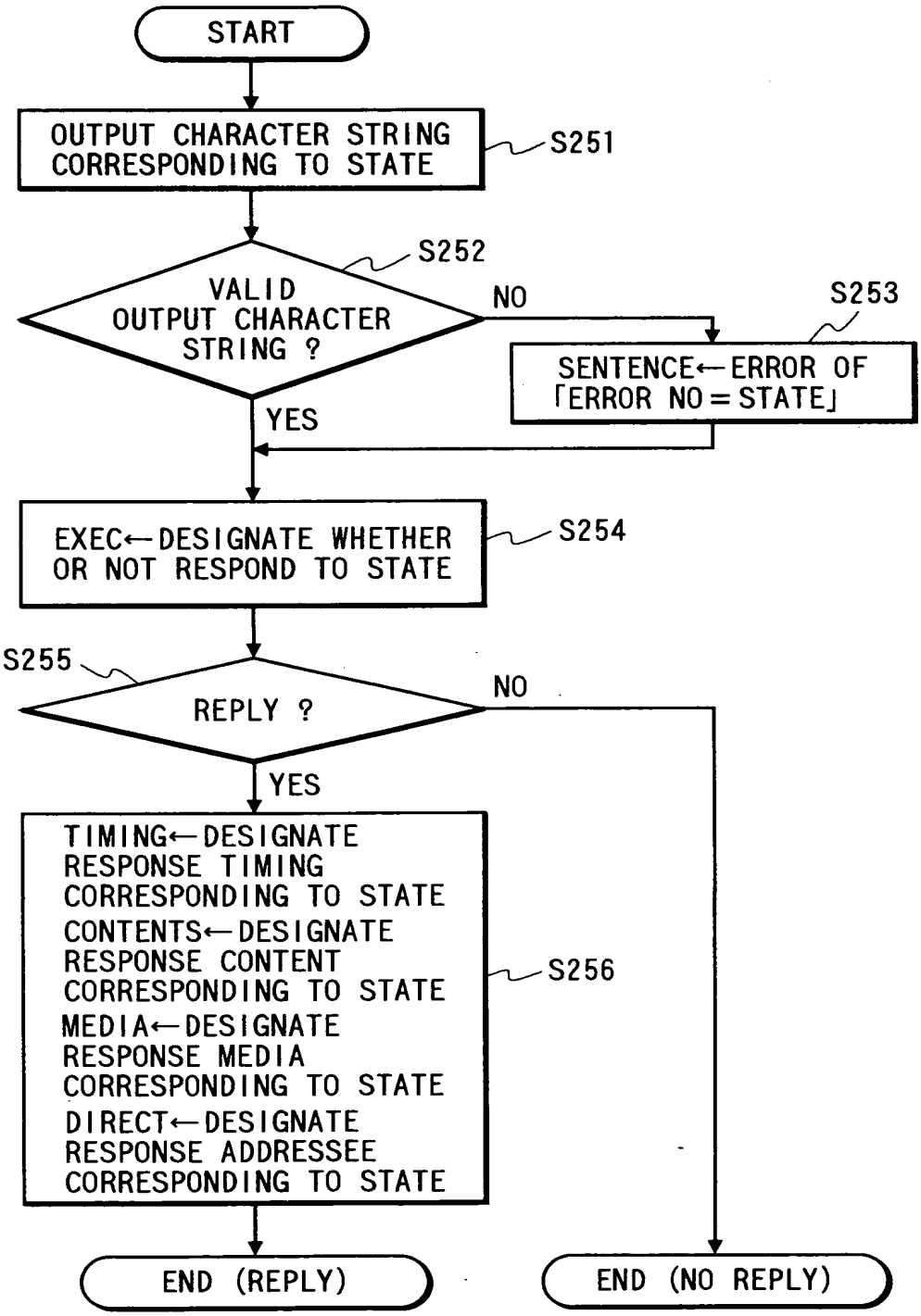
APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 24

STATE	MEANING	9a RESPONSE	9b CONTENT	9c MEDIA	9d RESPONSE ADDRESSEE	9e TIMING	9f OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	NO	ORDINARY	WINDOW	USER	INSTANT	POWER SUPPLY IS NOT SUPPLIED
1	PRINTING STANDBY STAGE	NO	ORDINARY	WINDOW	USER	INSTANT	PRINTING POSSIBLE
2	PRINTER STARTING STAGE	NO	ORDINARY	WINDOW	USER	INSTANT	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	YES	IMPORTANT	FAX	MANAGER	5 MINUTES LATER	[INVALIDITY]
9	OTHER ERRORS	YES	URGENT	BEEPER	MANAGER	INSTANT	[INVALIDITY]
10	UPPER CARTRIDGE OUT	NO	ORDINARY	WINDOW	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
11	UPPER CARTRIDGE COPY PAPER OUT	YES	IMPORTANT	WINDOW & BEEP	USER	INSTANT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	WINDOW	USER	INSTANT	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW
20	LOWER CARTRIDGE OUT	NO	ORDINARY	WINDOW	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	YES	IMPORTANT	WINDOW & BEEP	USER	INSTANT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	WINDOW	USER	INSTANT	COPY PAPER RUN LOW
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW
30	TONER CARTRIDGE OUT	NO	ORDINARY	WINDOW	ASSISTANT	5 MINUTES LATER	TONER CARTRIDGE IS REMOVED
31	TONER OUT	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	TONER OUT
32	TONER REMAINING 5%	YES	ORDINARY	WINDOW	ASSISTANT	INSTANT	TONER RUN LOW
33	TONER REMAINING 10%	YES	ORDINARY	MAIL	ASSISTANT	5 MINUTES LATER	TONER RUN LOW
41	FIXER OUT	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	FIXER OUT
42	FIXER REMAINING 5%	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	FIXER RUN LOW
43	FIXER REMAINING 10%	YES	ORDINARY	WINDOW	ASSISTANT	5 MINUTES LATER	FIXER RUN LOW

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 25



0050005-EP1574969

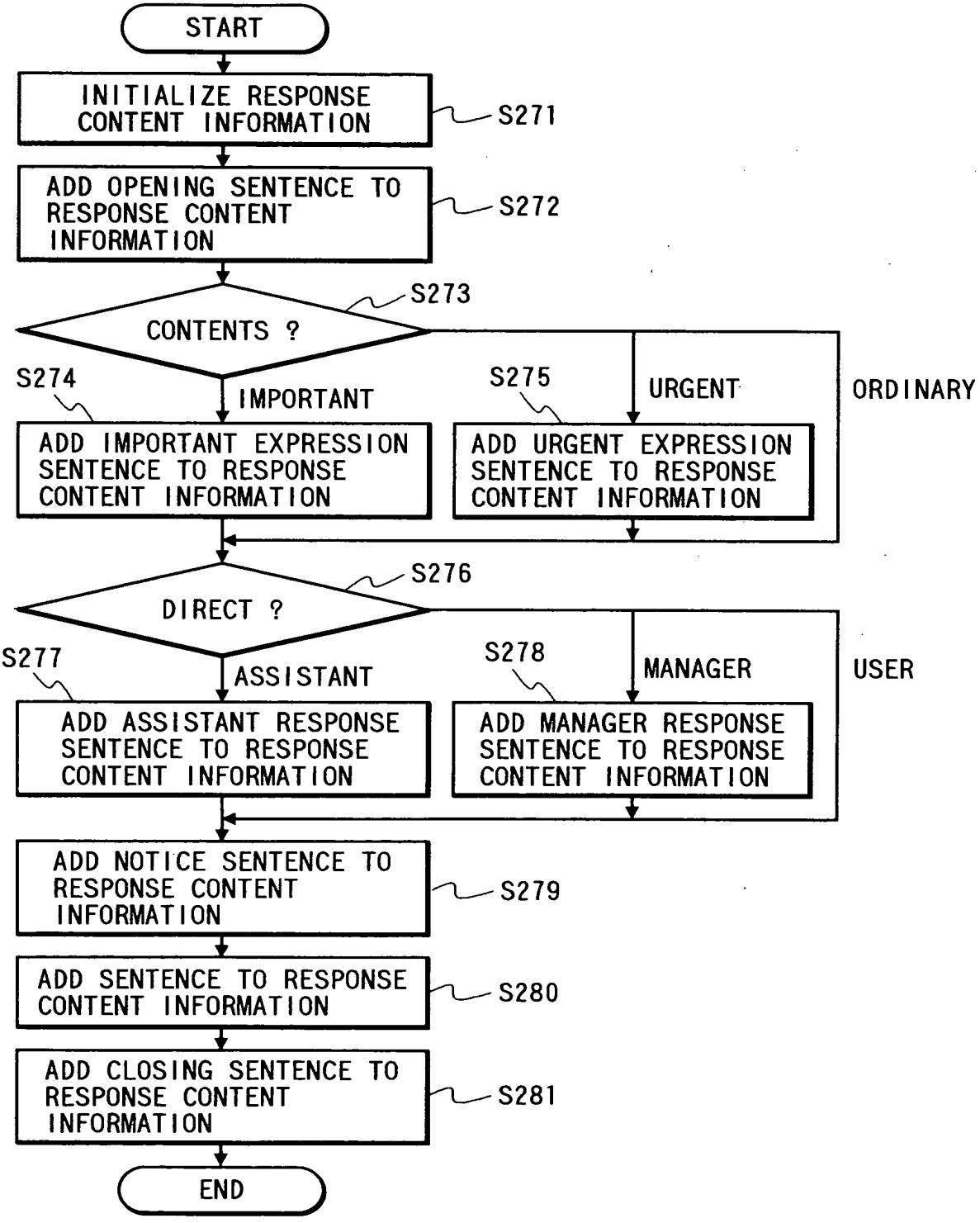
APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 26

VARIABLE NAME	MEANING
SENTENCE	RESPONSE OUTPUT CHARACTER STRING
EXEC	DESIGNATE WHETHER OR NOT RESPOND TO STATE
TIMING	DESIGNATE RESPONSE TIMING
CONTENTS	DESIGNATE RESPONSE CONTENT
MEDIA	DESIGNATE RESPONSE MEDIA
DIRECT	DESIGNATE RESPONSE ADDRESSEE

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 27



D6888505 - 1421 - 09/17/04

APPROVED
DRAFTSMAN
BY
O.G. FIG.
CLASS
SUBCLASS

FIG. 28

KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS AUTOREPLY SYSTEM
IMPORTANT EXPRESSION SENTENCE	*THIS IS VERY IMPORTANT NOTICE* *PLEASE BE SURE TO ATTEND TO IT*
URGENT EXPRESSION SENTENCE	*THIS IS URGENT NOTICE* *PLEASE ATTEND TO IT AT ONCE*
ASSISTANT RESPONSE SENTENCE	IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
MANAGER RESPONSE SENTENCE	27TH FLOOR FACING SOUTH IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
NOTICE SENTENCE	FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 29

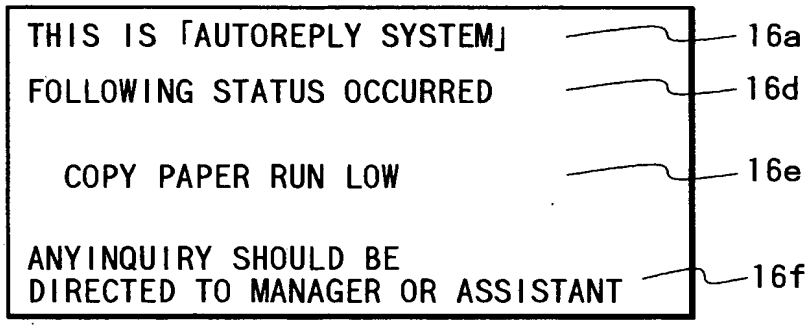
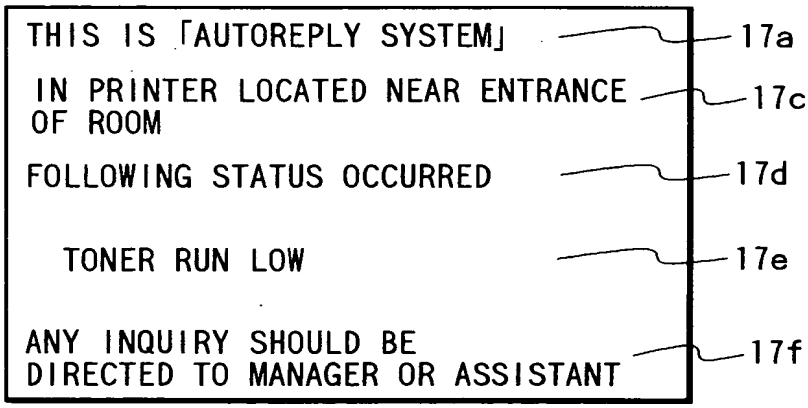


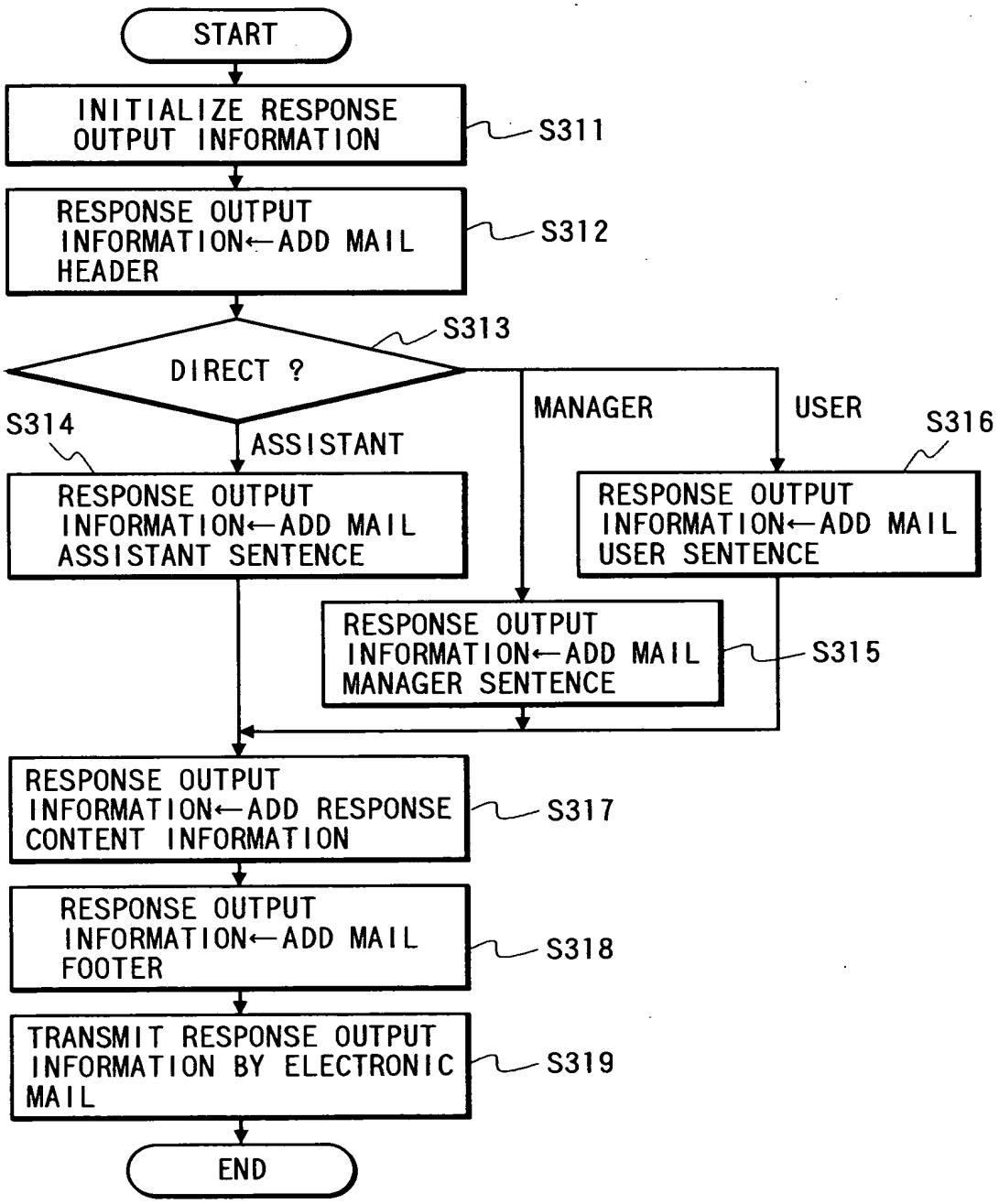
FIG. 30



EP 0 774 729 A2

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 31



DOCUMENT - HOLDER

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

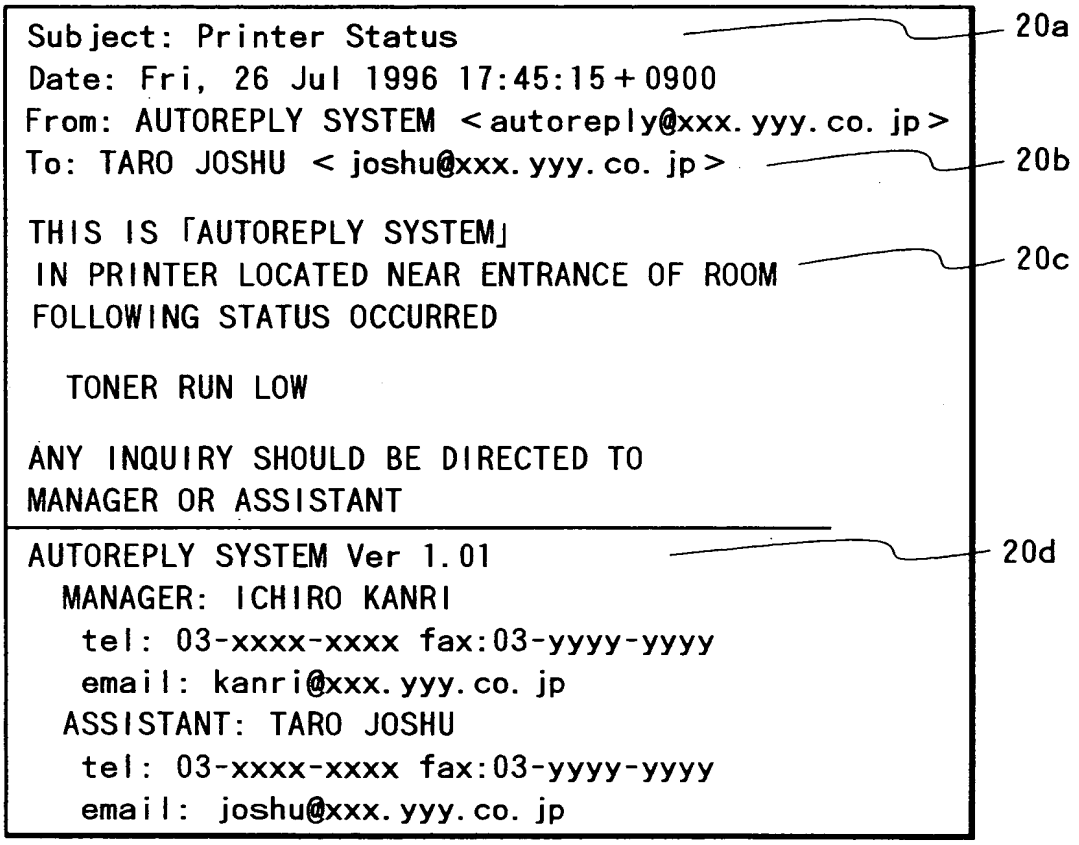
FIG. 32

KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM <autoreply@xxx.yyy.co.jp>
MAIL USER SENTENCE	To: USER <user@xxx.yyy.co.jp>
MAIL ASSISTANT SENTENCE	To: TARO JOSHU <joshu@xxx.yyy.co.jp>
MAIL MANAGER SENTENCE	To: ICHIRO KANRI <kanri@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	--- AUTOREPLY SYSTEM Ver 1.01 MANAGER: ICHIRO KANRI tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: kanri@xxx.yyy.co.jp ASSISTANT: TARO JOSHU tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: joshu@xxx.yyy.co.jp

0005050-1145

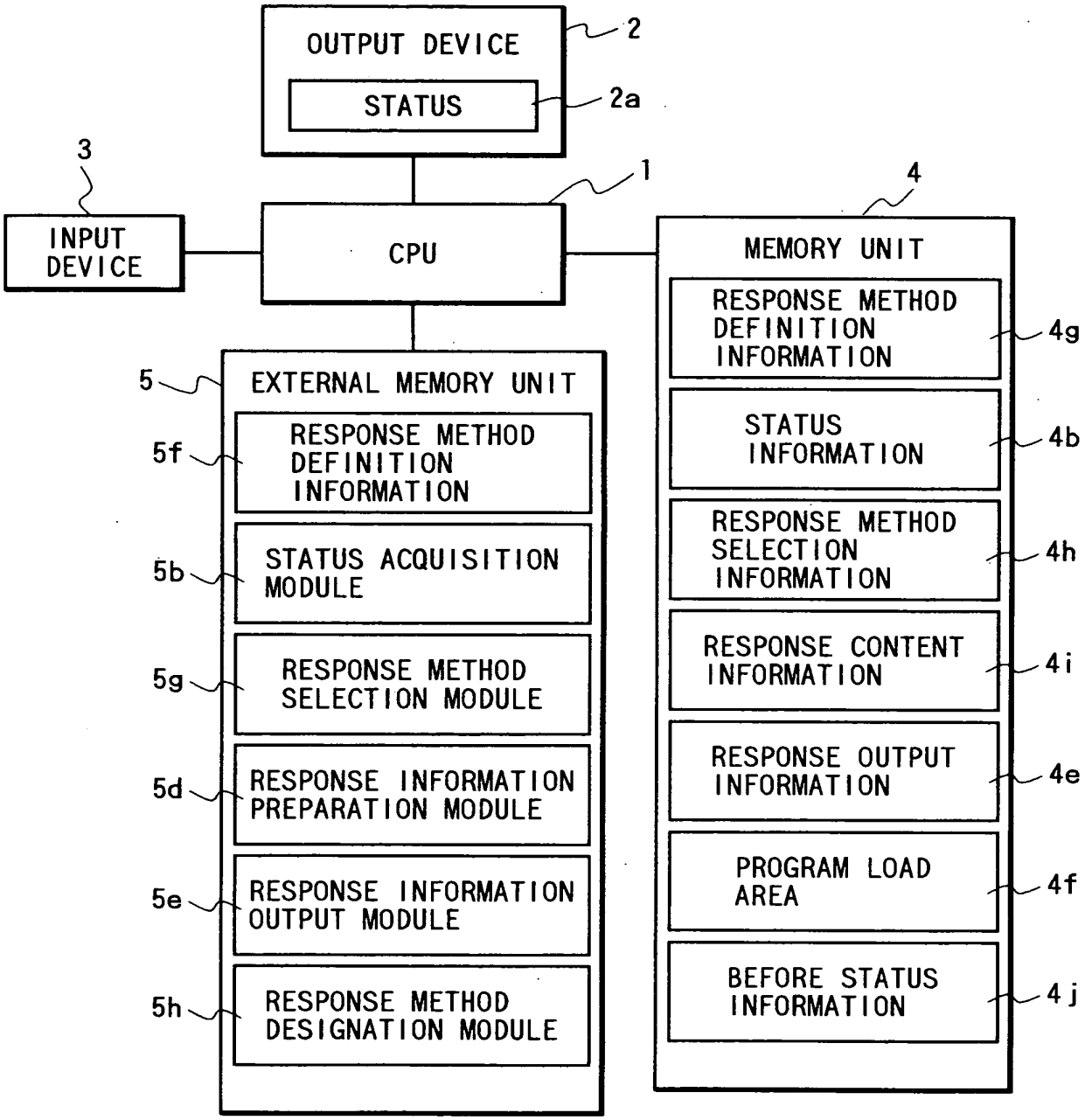
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 33



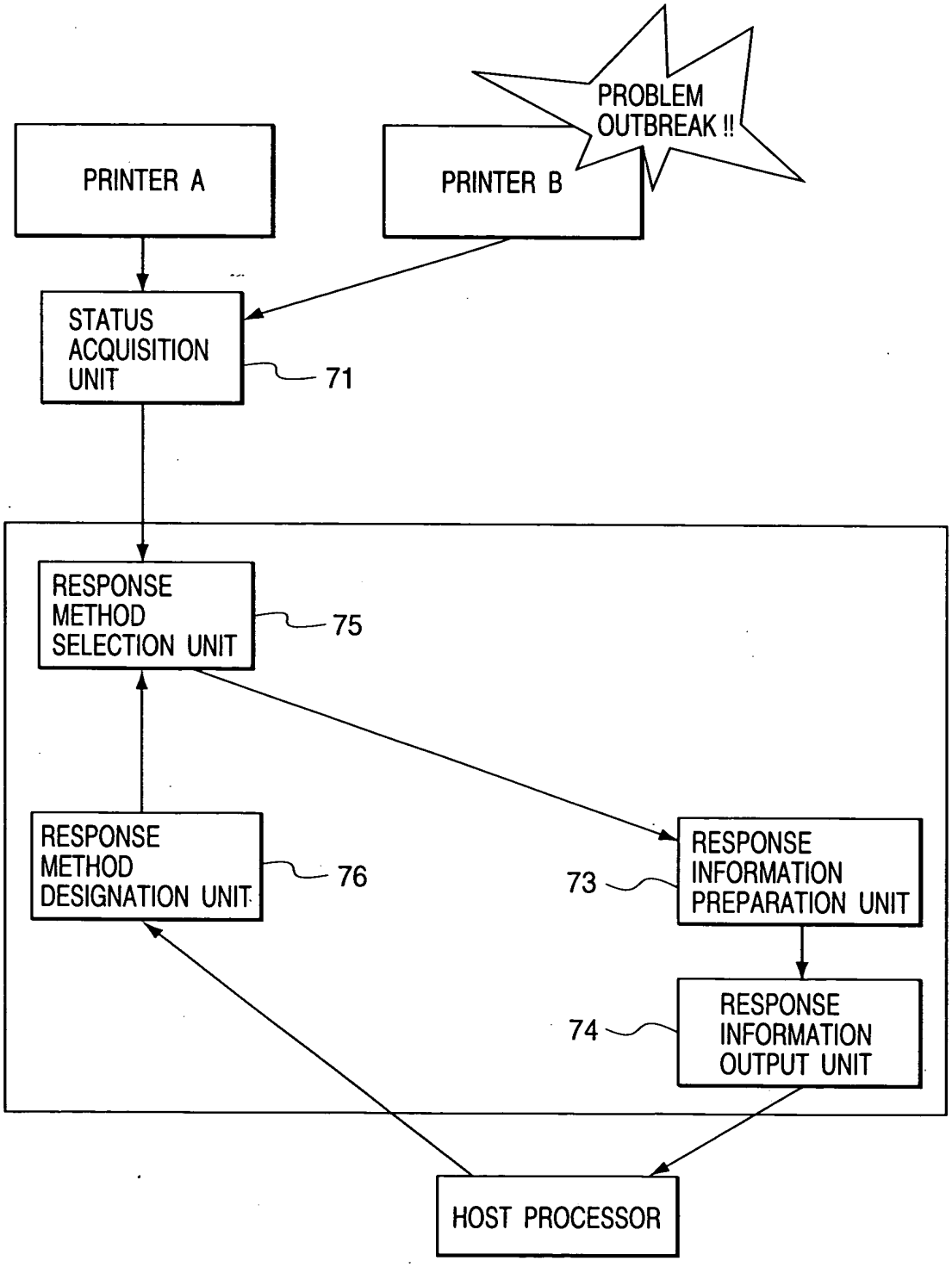
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 34



APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

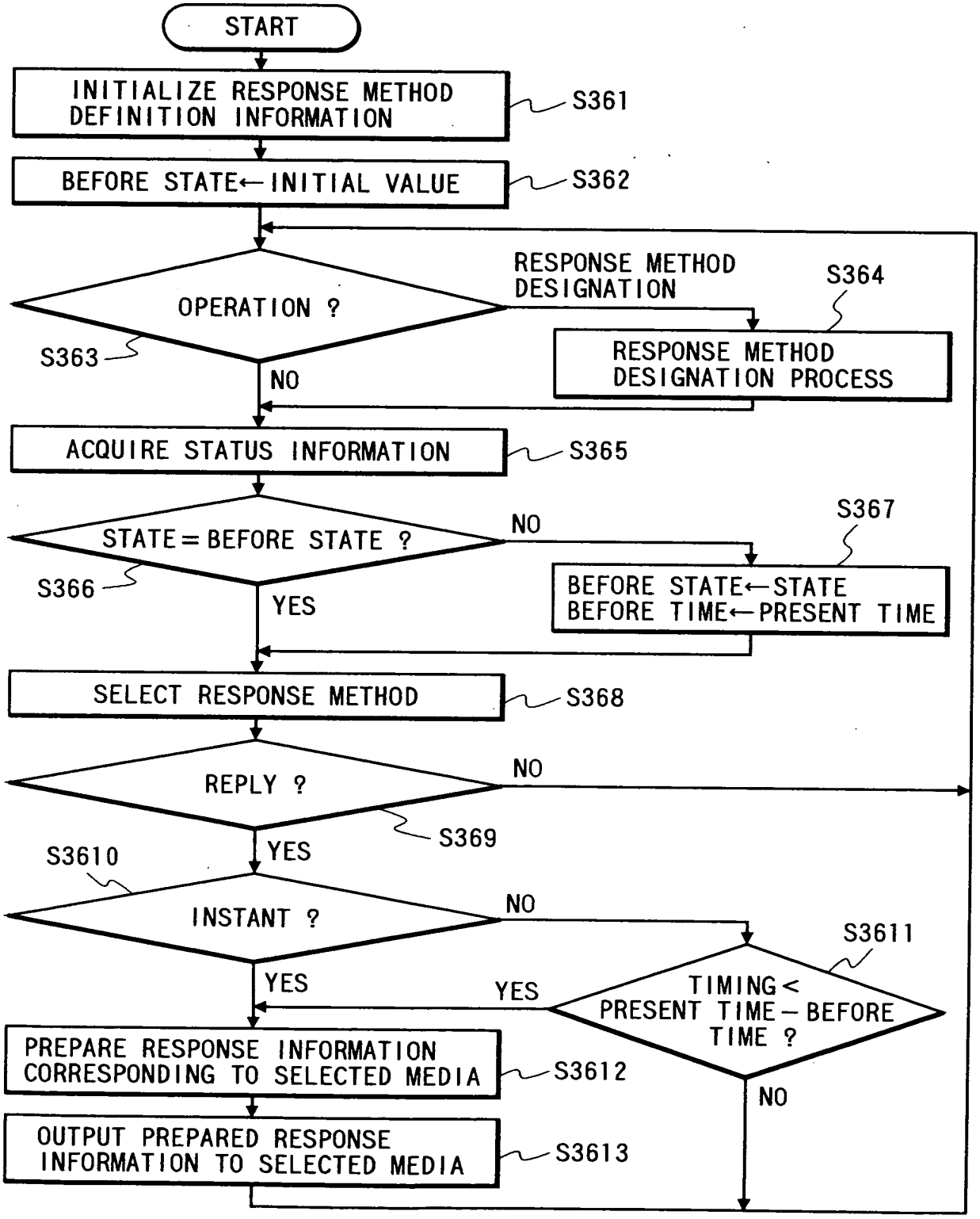
FIG. 35



EP 0 855 656 A2

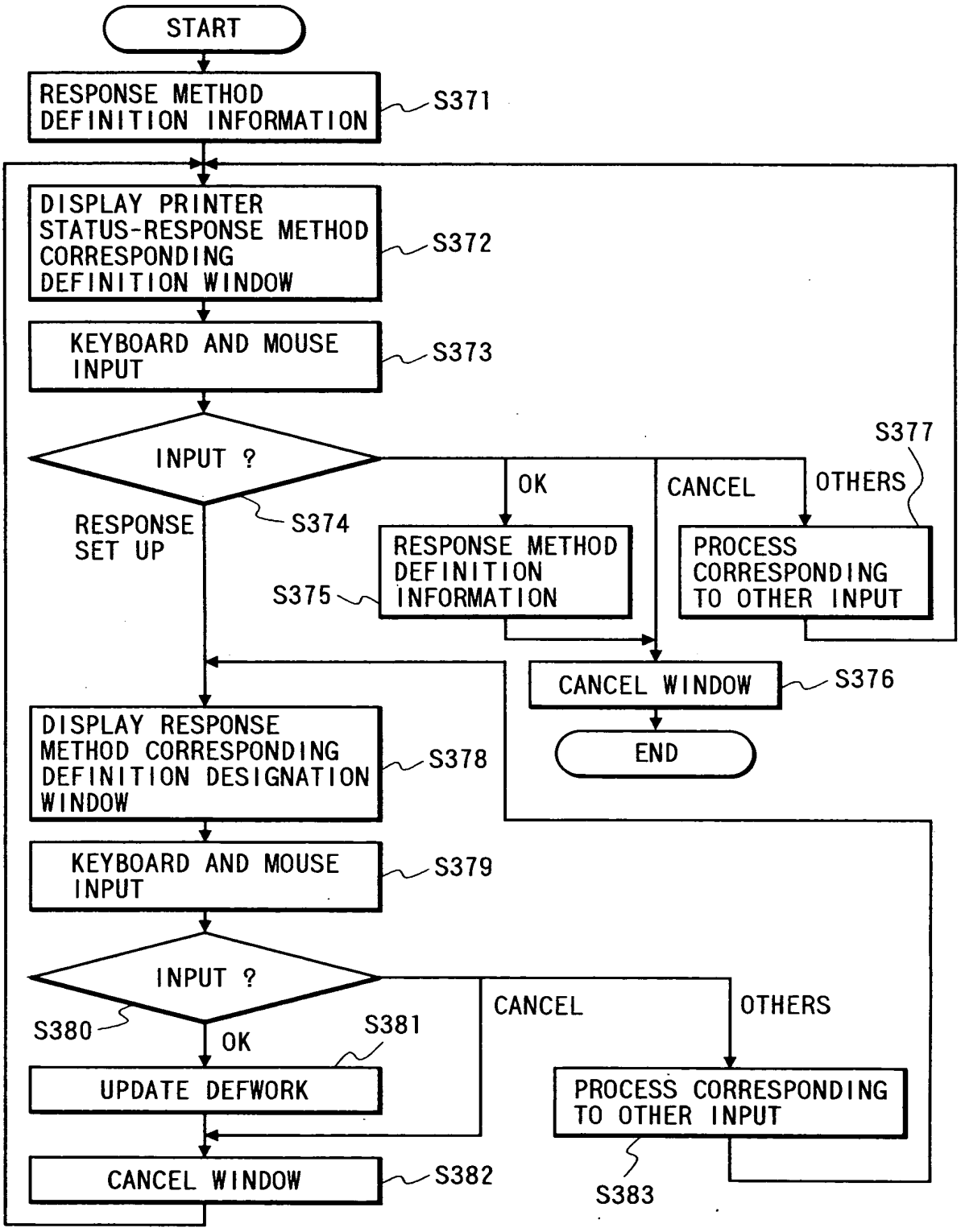
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 36



APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

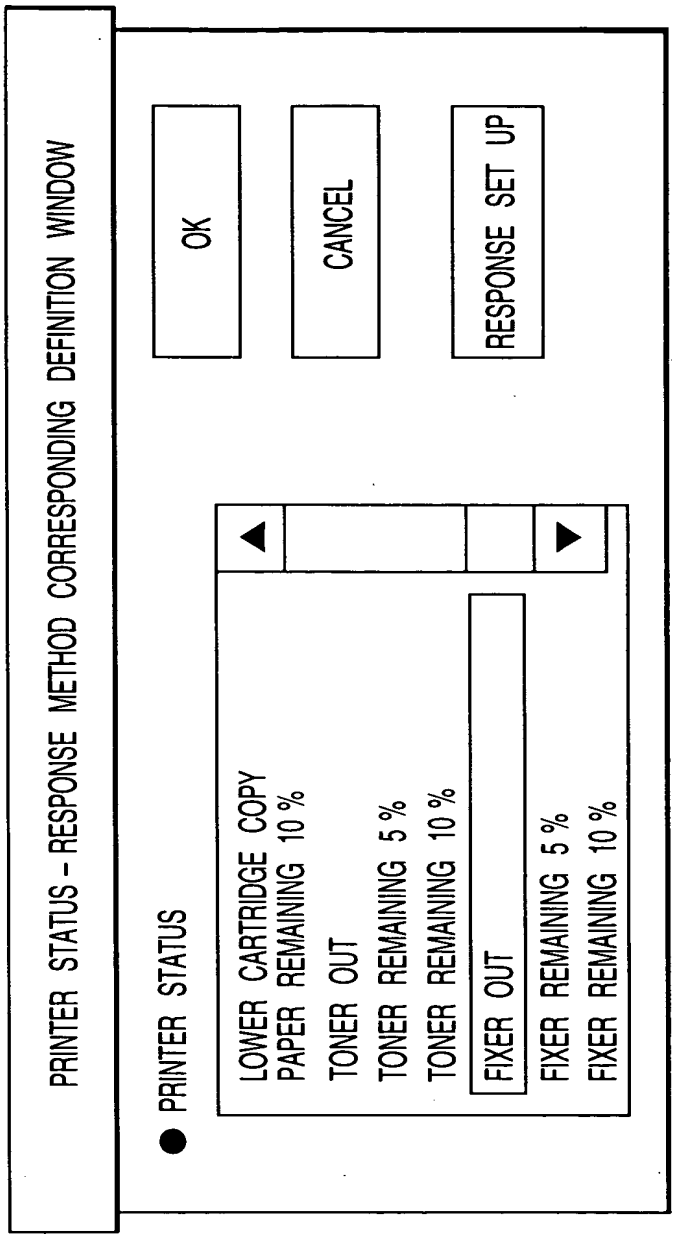
FIG. 37



APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

EP 1 215 569 A2

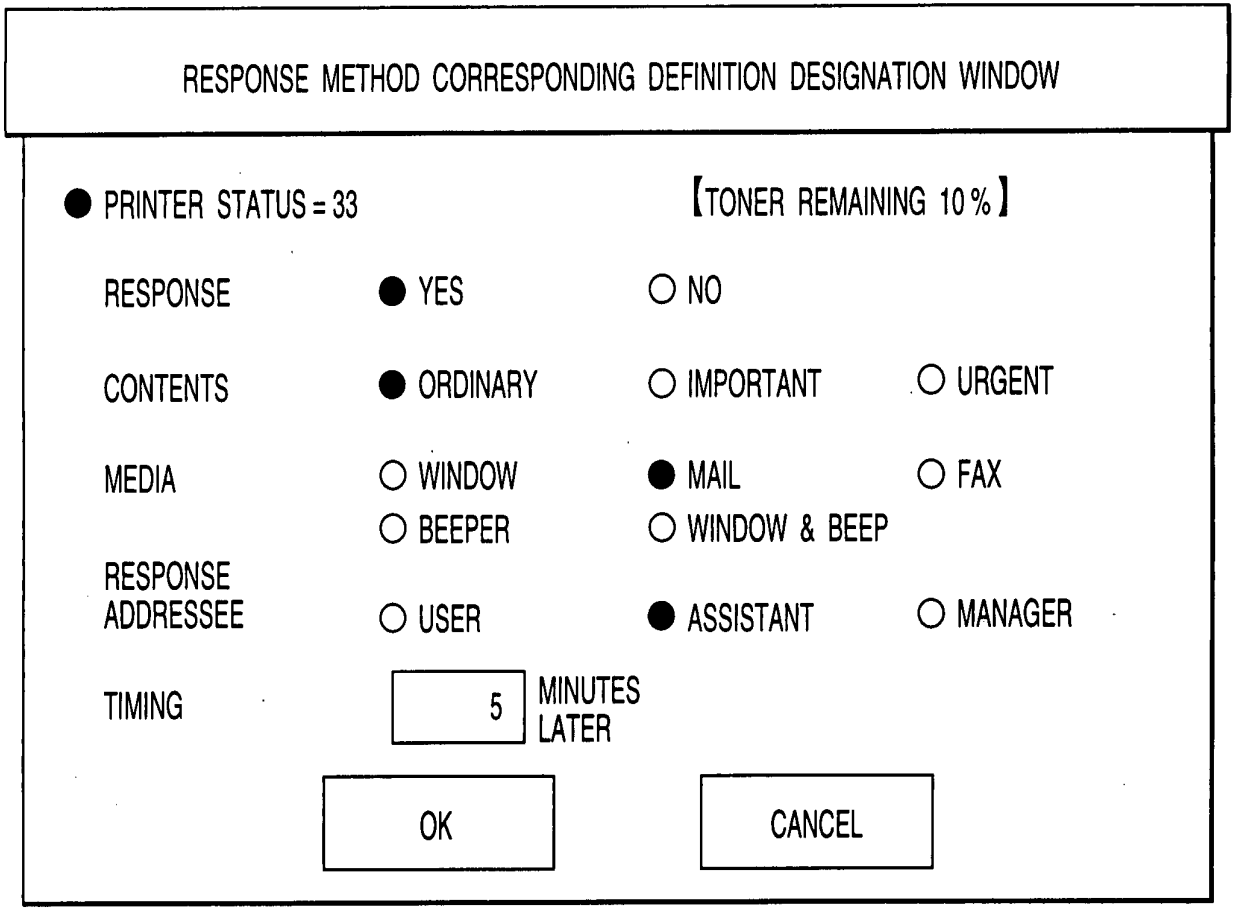
FIG. 38A



26TT2T 6568680

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 38B



APPROVED BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 38C

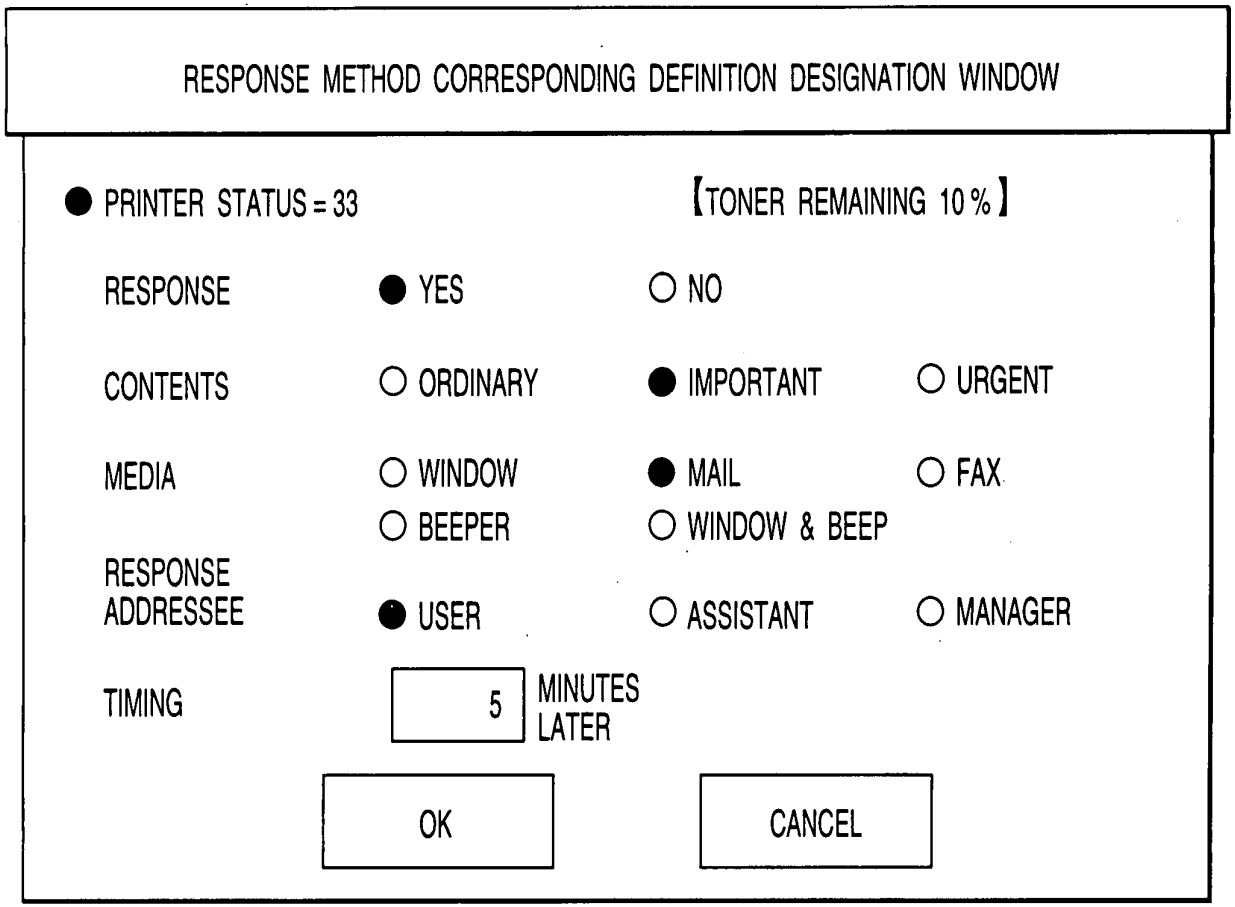


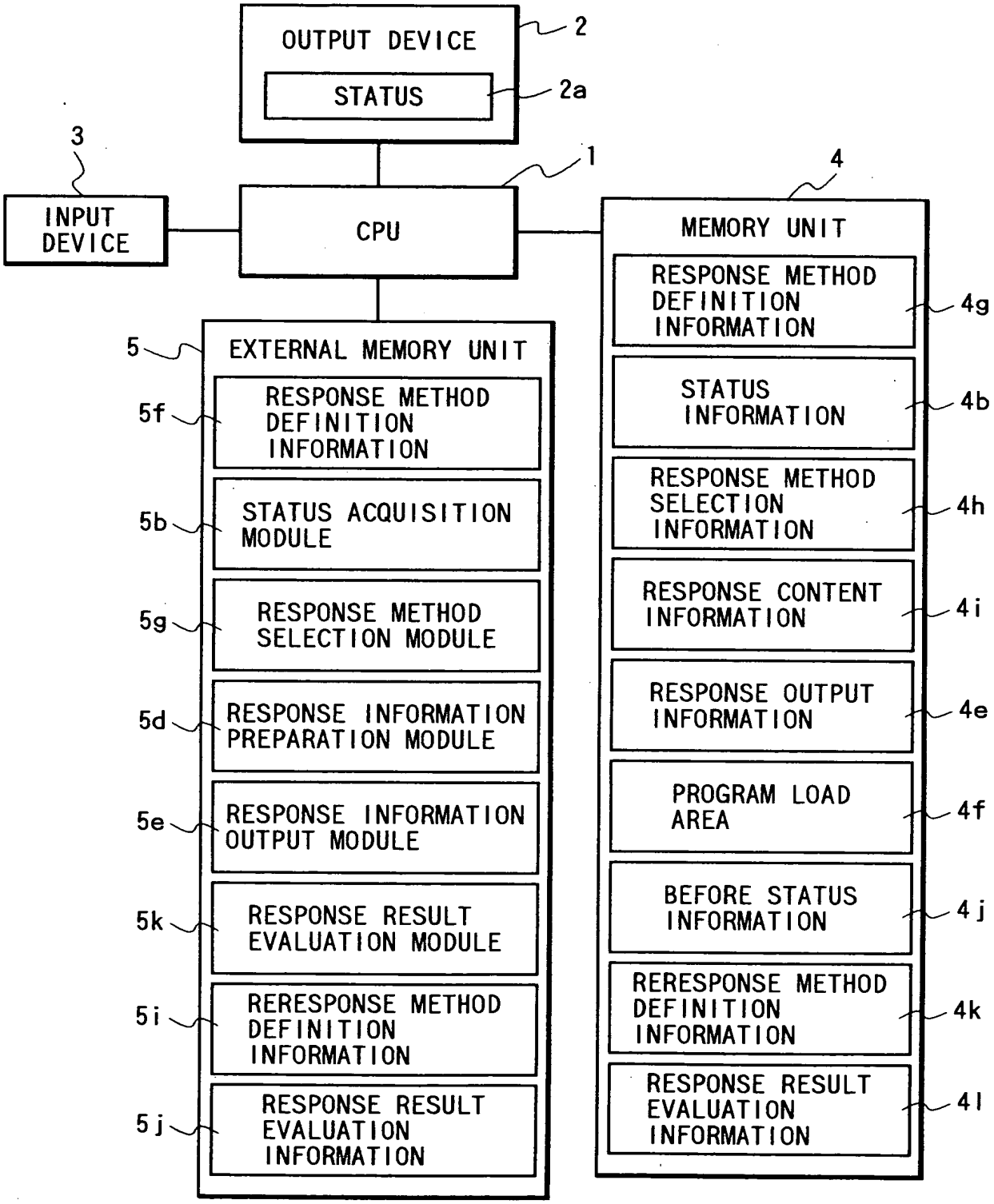
FIG. 39

STATE (9a)	MEANING	RESPONSE (9b)	CONTENT (9c)	MEDIA (9d)	RESPONSE ADDRESSEE (9e)	TIMING (9f)	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	NO	ORDINARY	WINDOW	USER	INSTANT	POWER SUPPLY IS NOT SUPPLIED
1	PRINTING STANDBY STAGE	NO	ORDINARY	WINDOW	USER	INSTANT	PRINTING POSSIBLE
2	PRINTER STARTING STAGE	NO	ORDINARY	WINDOW	USER	INSTANT	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	YES	IMPORTANT	FAX	MANAGER	5 MINUTES LATER	[INVALIDITY]
9	OTHER ERRORS	YES	URGENT	BEEPER	MANAGER	INSTANT	[INVALIDITY]
10	UPPER CARTRIDGE OUT	NO	ORDINARY	WINDOW	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
11	UPPER CARTRIDGE COPY PAPER OUT	YES	IMPORTANT	WINDOW & BEEP	USER	INSTANT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	WINDOW	USER	INSTANT	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW
20	LOWER CARTRIDGE OUT	NO	ORDINARY	WINDOW	USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	YES	IMPORTANT	WINDOW & BEEP	USER	INSTANT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	YES	ORDINARY	WINDOW	USER	INSTANT	COPY PAPER RUN LOW
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	YES	ORDINARY	MAIL	USER	INSTANT	COPY PAPER RUN LOW
30	TONER CARTRIDGE OUT	NO	ORDINARY	WINDOW	ASSISTANT	5 MINUTES LATER	TONER CARTRIDGE IS REMOVED
31	TONER OUT	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	TONER OUT
32	TONER REMAINING 5%	YES	ORDINARY	WINDOW	ASSISTANT	INSTANT	TONER RUN LOW
33	TONER REMAINING 10%	YES	IMPORTANT	MAIL	USER	5 MINUTES LATER	TONER RUN LOW 9g
41	FIXER OUT	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	FIXER OUT
42	FIXER REMAINING 5%	YES	IMPORTANT	WINDOW & BEEP	ASSISTANT	INSTANT	FIXER RUN LOW
43	FIXER REMAINING 10%	YES	ORDINARY	WINDOW	ASSISTANT	5 MINUTES LATER	FIXER RUN LOW

APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

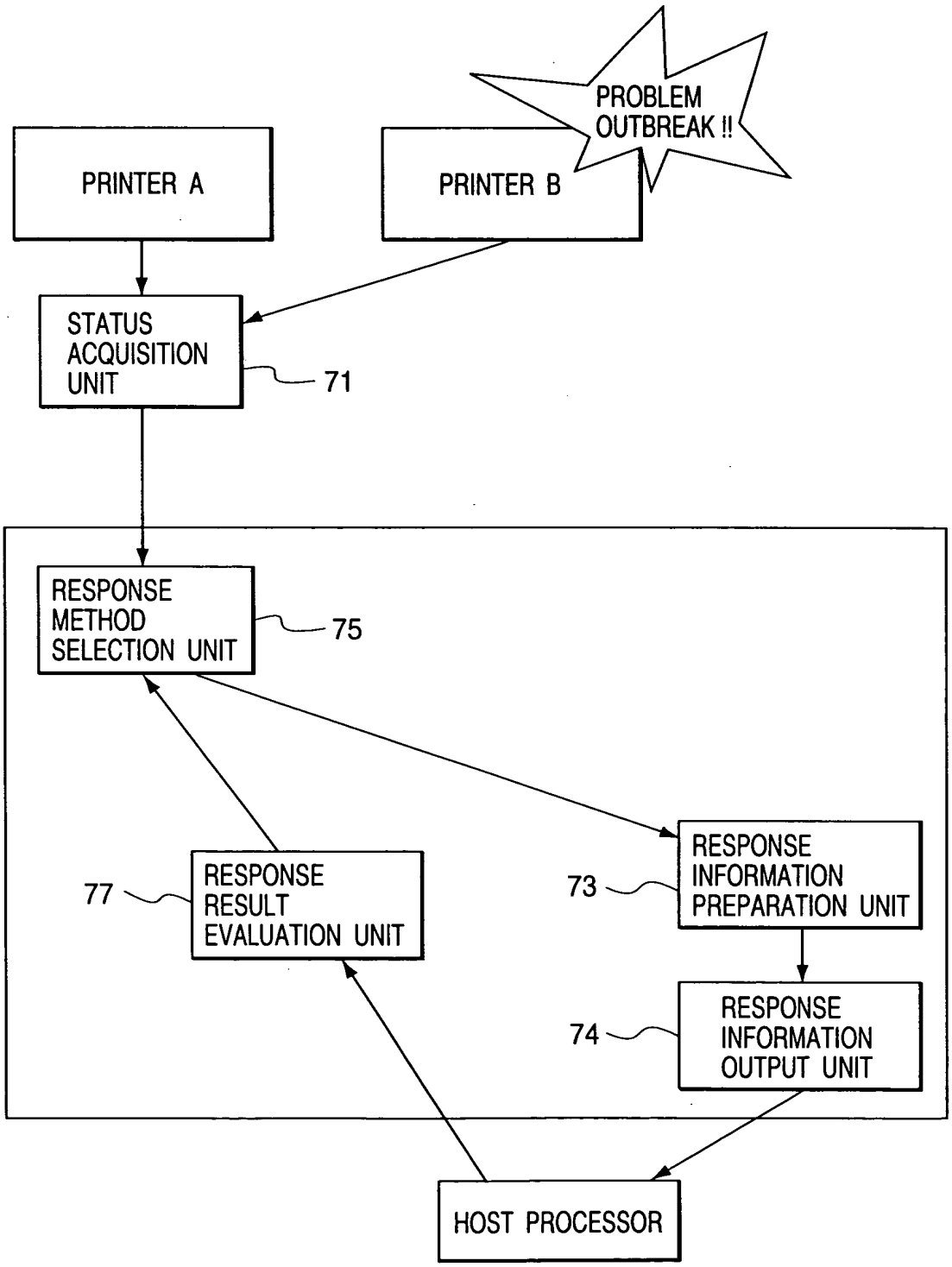
FIG. 40



EP 1 855 184 A1

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

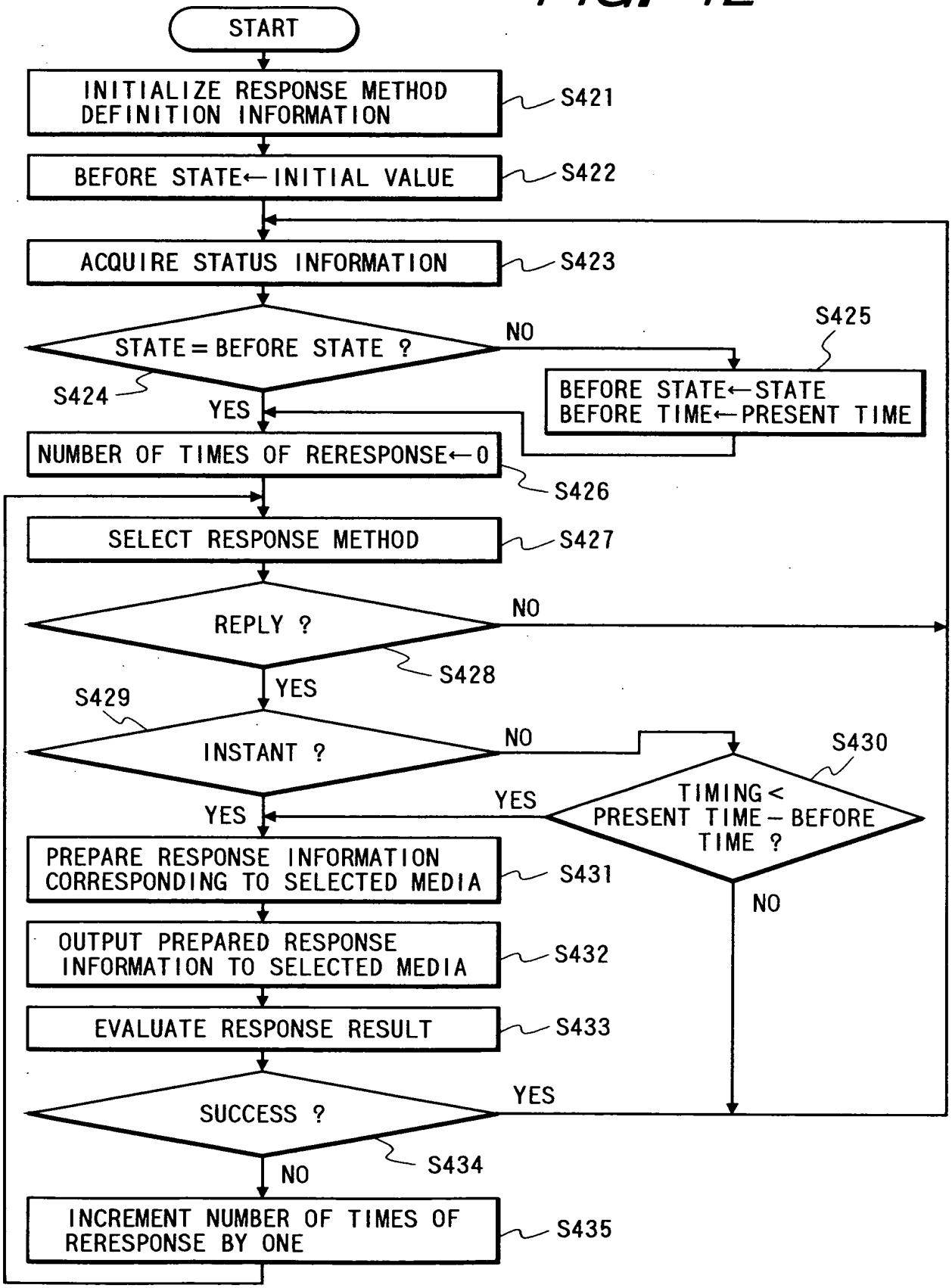
FIG. 41



EP 1 717 694 A1

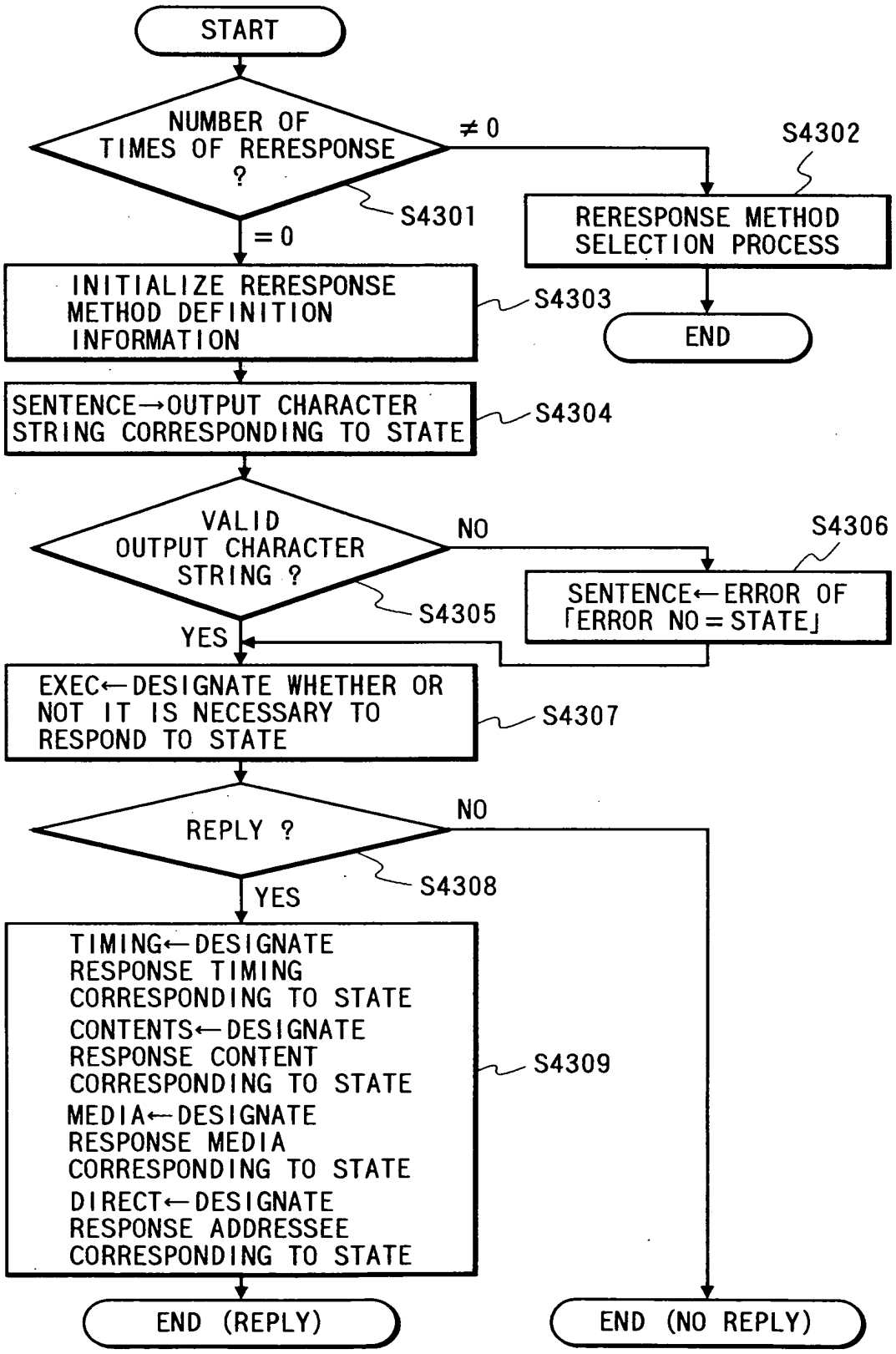
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 42



APPROVED BY DRAFTSMAN | O.G. FIG. CLASS SUBCLASS

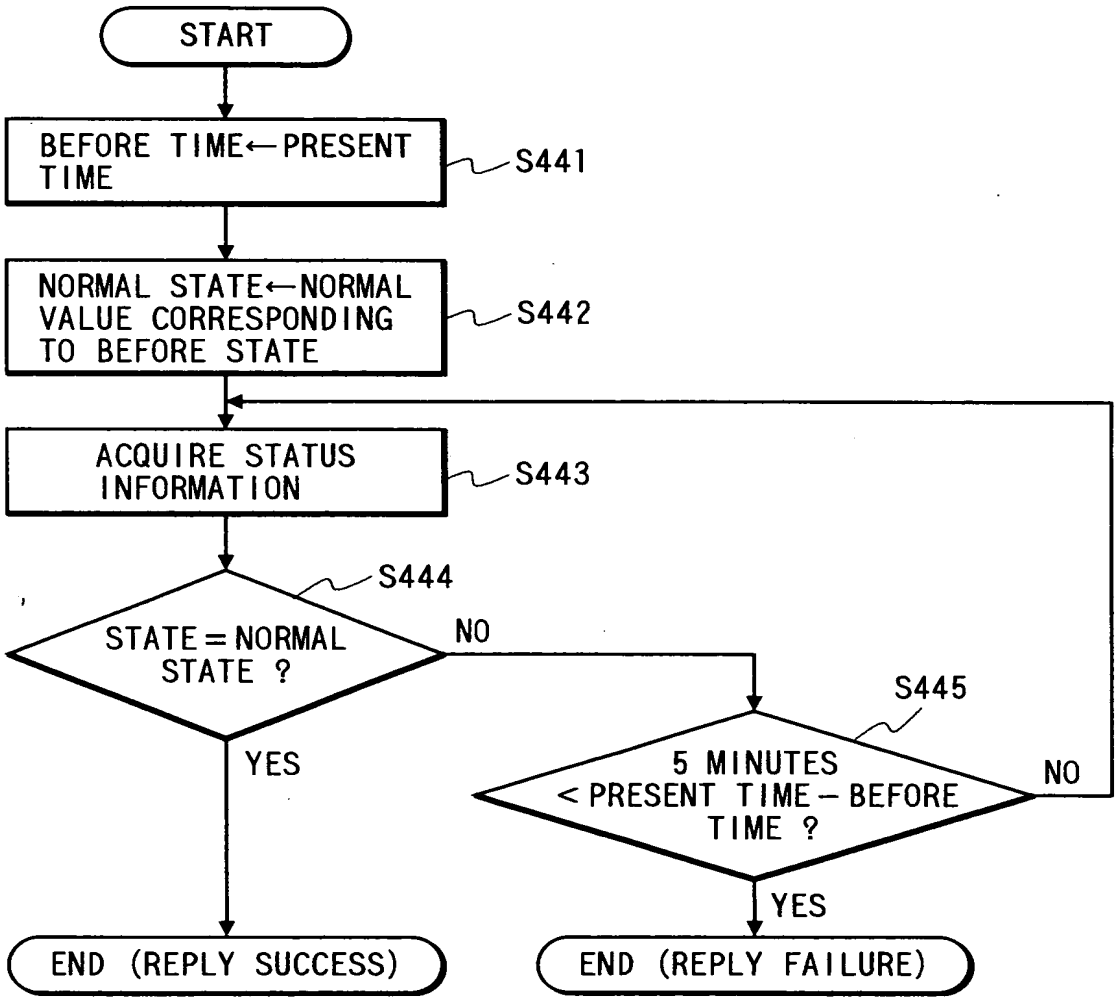
FIG. 43



EP 0 883 305 A1

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 44



26TT2T 65688680

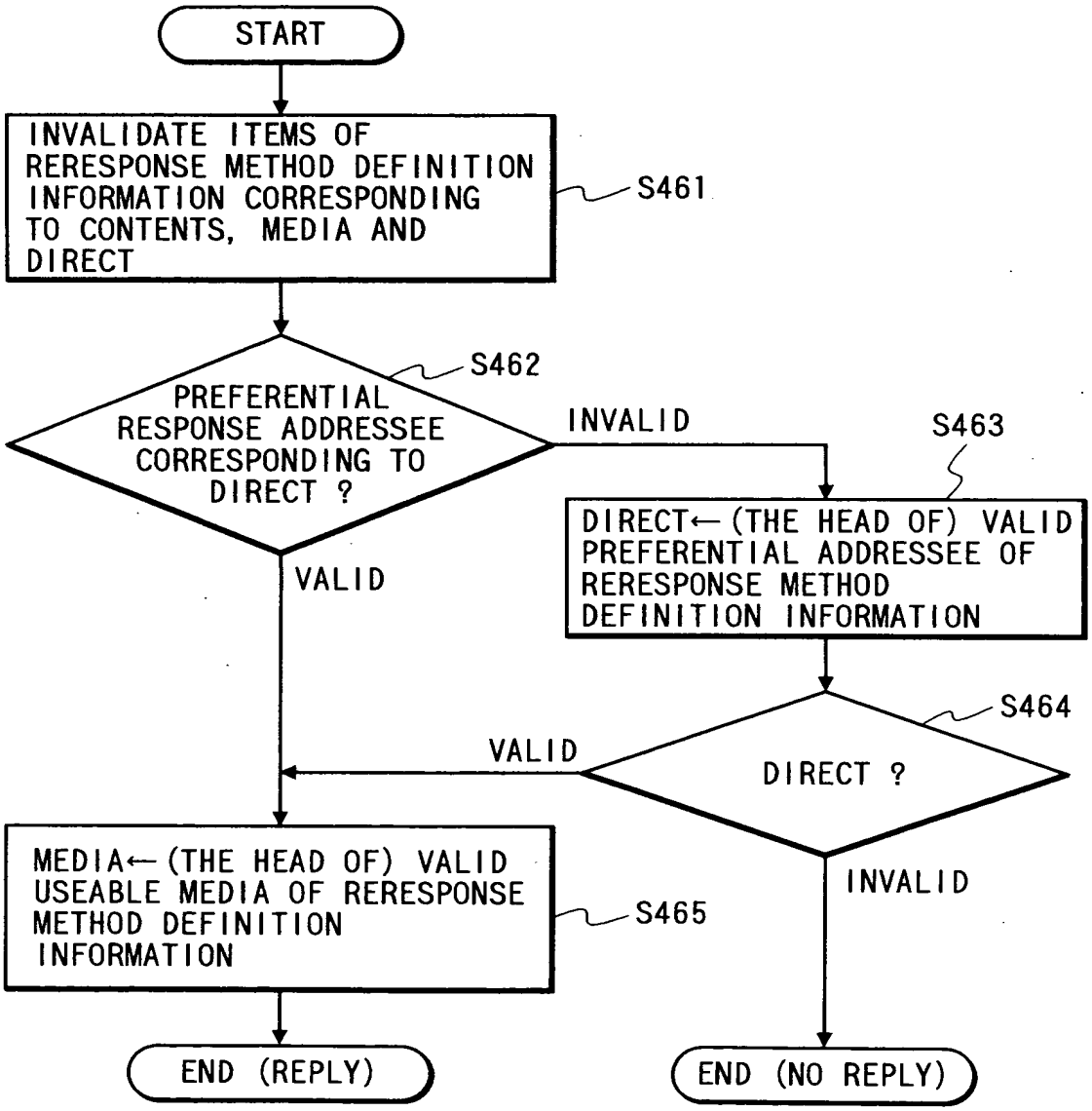
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS SUBCLASS

FIG. 45

ACQUISITION VALUE		NORMAL VALUE	
STATE	MEANING	STATE	MEANING
0	CONNECTION OFF OR POWER SUPPLY OFF	1	PRINTING STANDBY STAGE
1	PRINTING STANDBY STAGE	1	PRINTING STANDBY STAGE
2	PRINTER STARTING STAGE	1	PRINTING STANDBY STAGE
3	PRINTER BUFFER ABNORMALITY	1	PRINTING STANDBY STAGE
9	OTHER ERRORS	1	PRINTING STANDBY STAGE
10	UPPER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
11	UPPER CARTRIDGE COPY PAPER OUT	1	PRINTING STANDBY STAGE
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
20	LOWER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
21	LOWER CARTRIDGE COPY PAPER OUT	1	PRINTING STANDBY STAGE
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
23	LOWER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
30	TONER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
31	TONER OUT	1	PRINTING STANDBY STAGE
32	TONER REMAINING 5%	1	PRINTING STANDBY STAGE
33	TONER REMAINING 10%	1	PRINTING STANDBY STAGE
41	FIXER OUT	1	PRINTING STANDBY STAGE
42	FIXER REMAINING 5%	1	PRINTING STANDBY STAGE
43	FIXER REMAINING 10%	1	PRINTING STANDBY STAGE

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 46



D05080305 - 14.12.99

26TT2T*6568860

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS SUBCLASS

FIG. 47

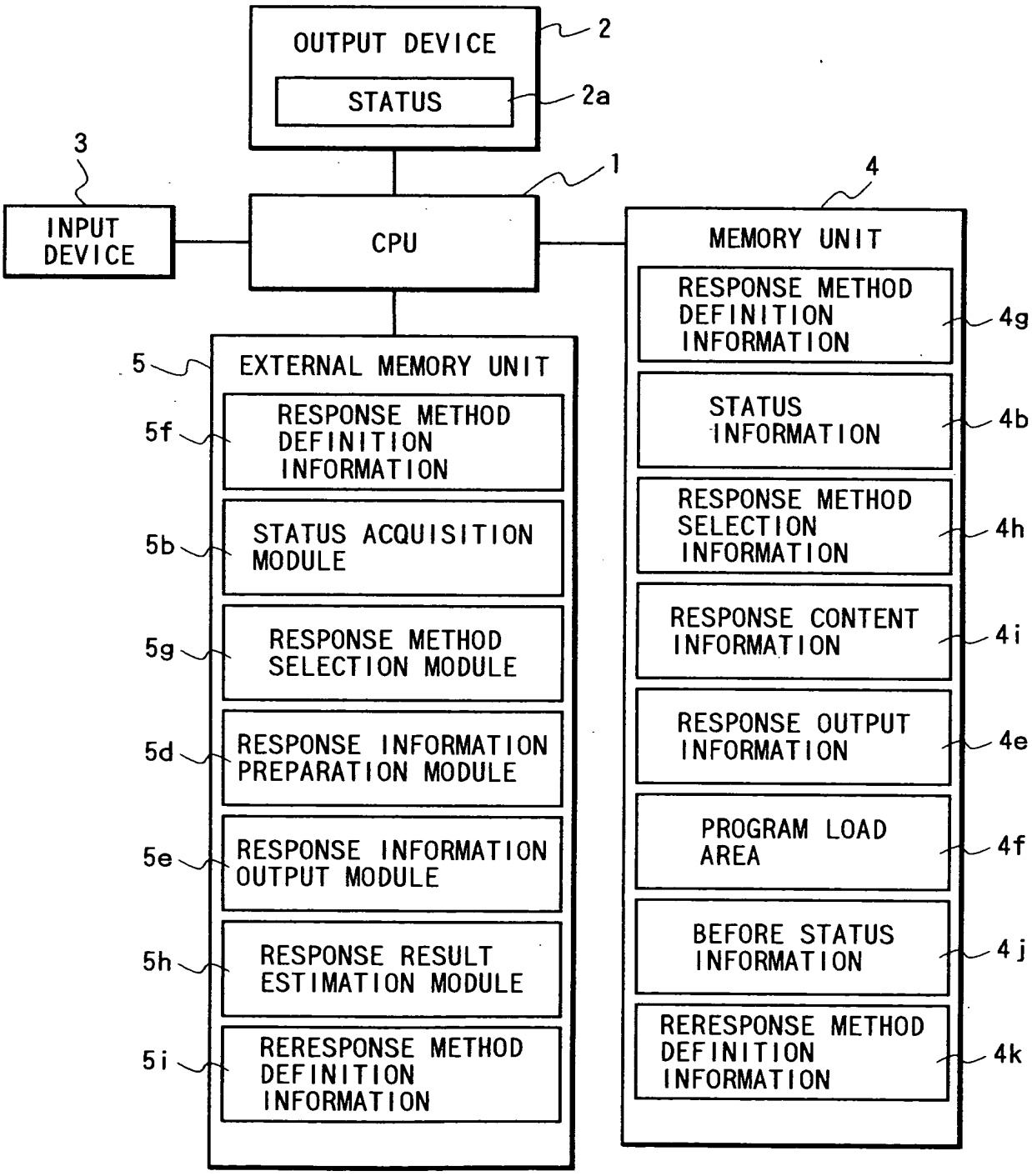
PREFERENTIAL RESPONSE ADDRESSEE	USEABLE MEDIA			
USER	MAIL	WINDOW	WINDOW & BEEP	
ASSISTANT	BEEPER	MAIL	WINDOW	WINDOW & BEEP
MANAGER	BEEPER	FAX		

FIG. 48

PREFERENTIAL RESPONSE ADDRESSEE	USEABLE MEDIA			
USER	MAIL	WINDOW	WINDOW & BEEP	
ASSISTANT	BEEPER	INVALIDITY	WINDOW	WINDOW & BEEP
MANAGER	BEEPER	FAX		

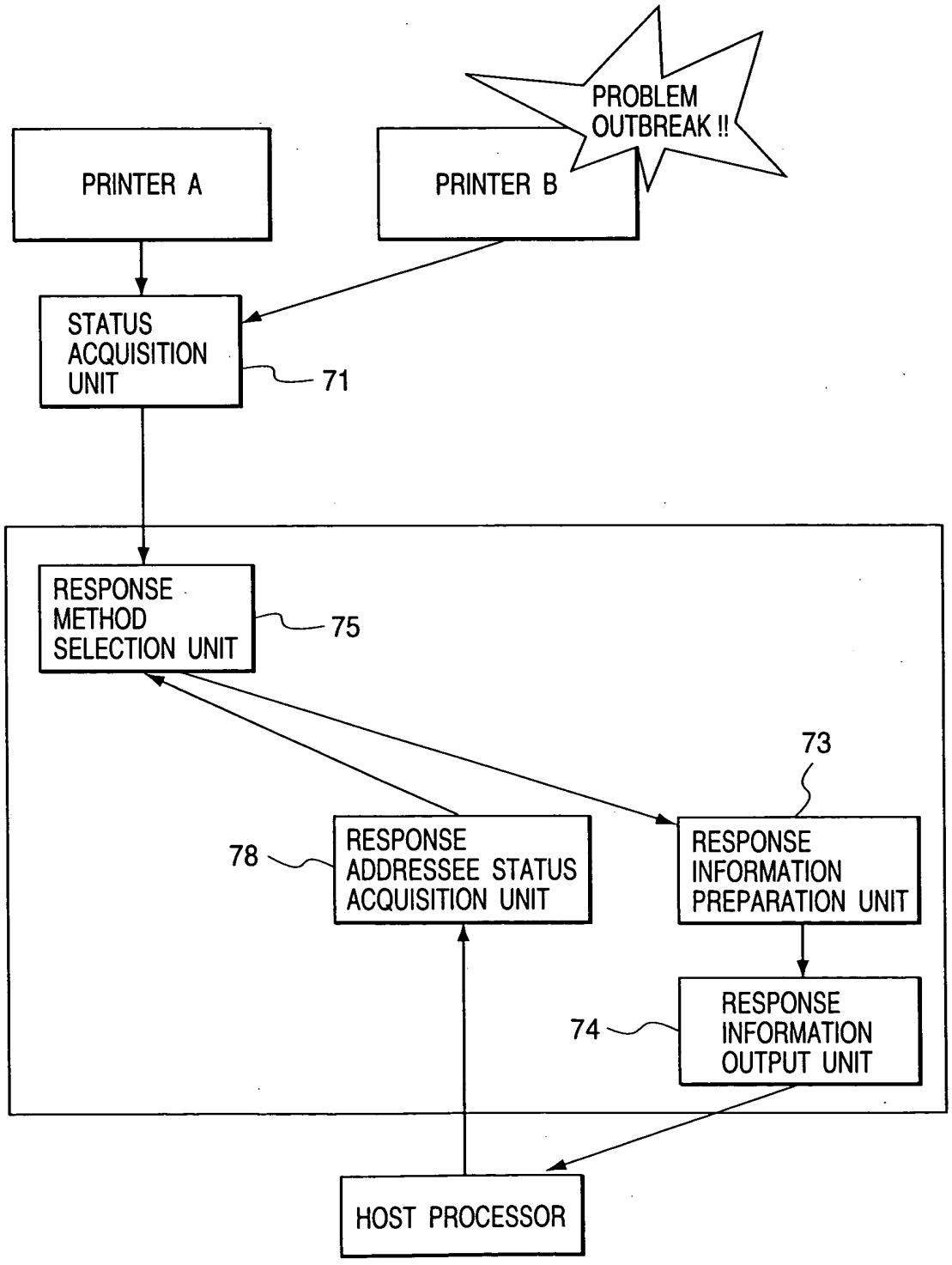
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 49



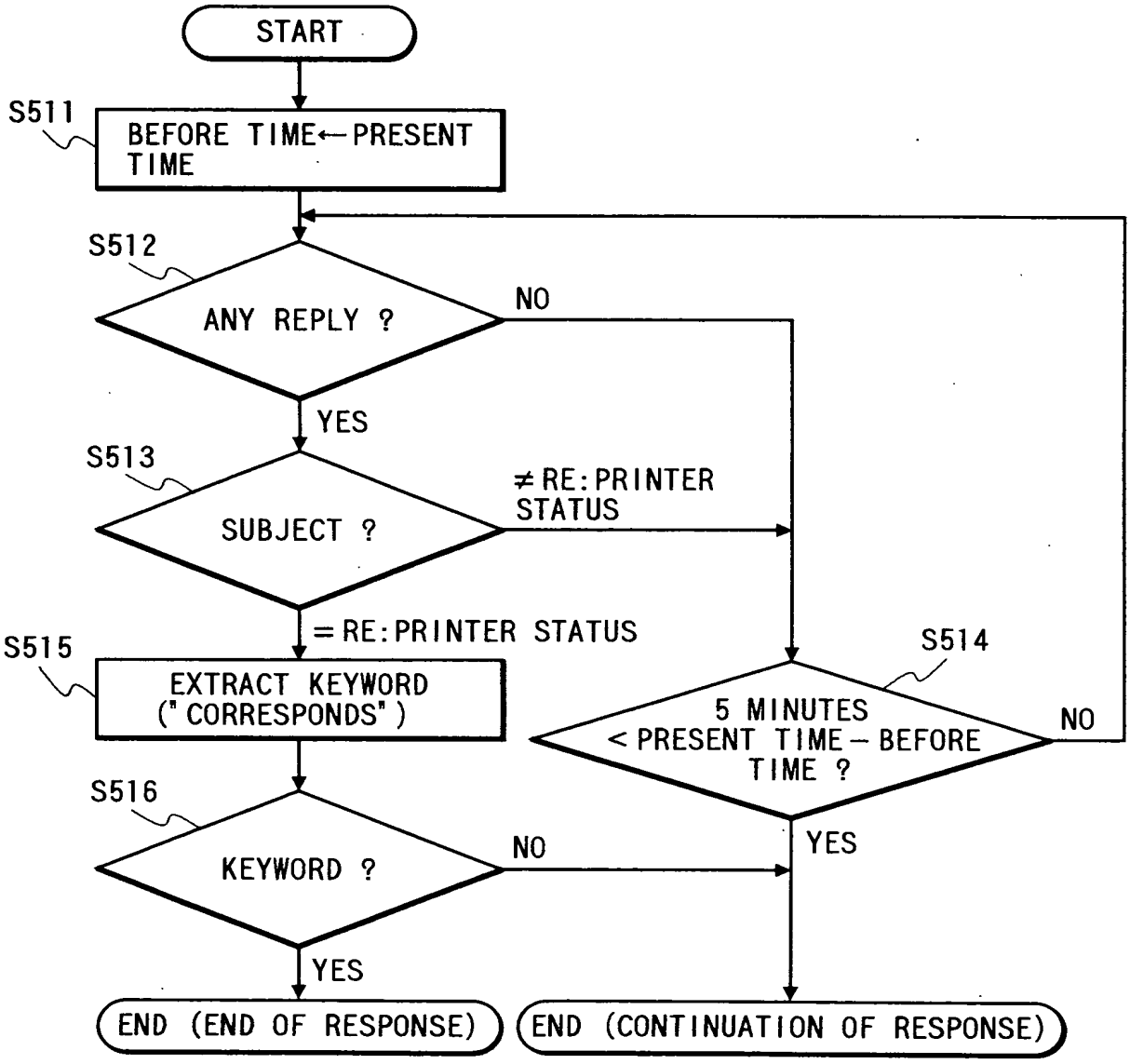
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 50



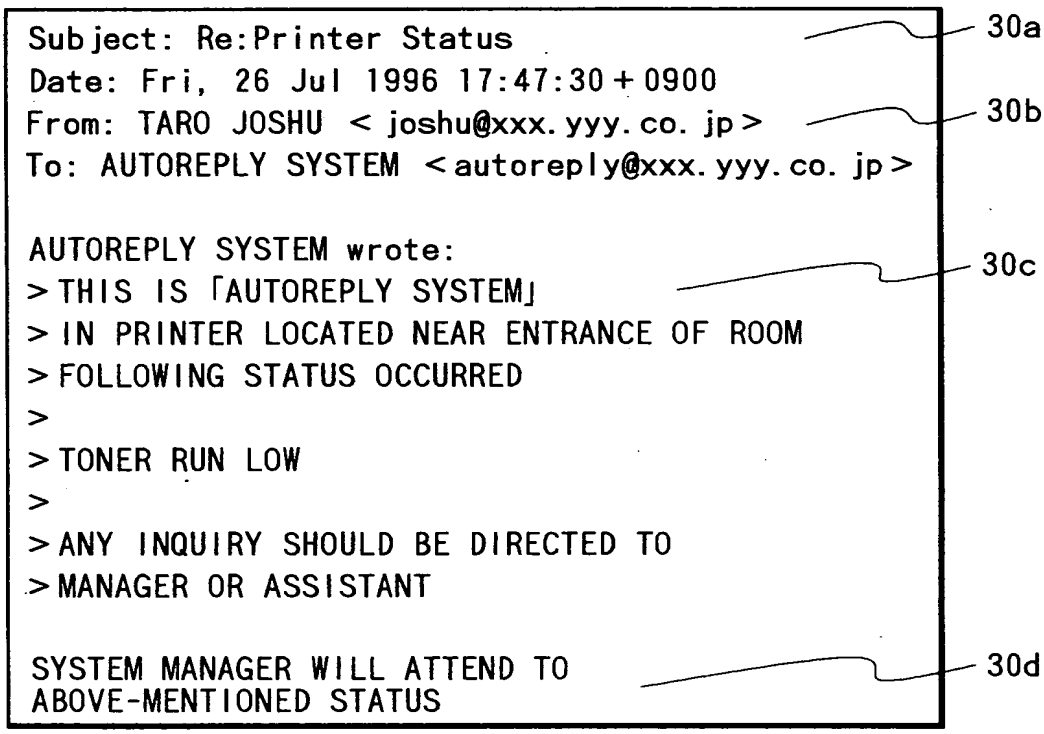
APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

FIG. 51



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 52



D0000050-HU1H9